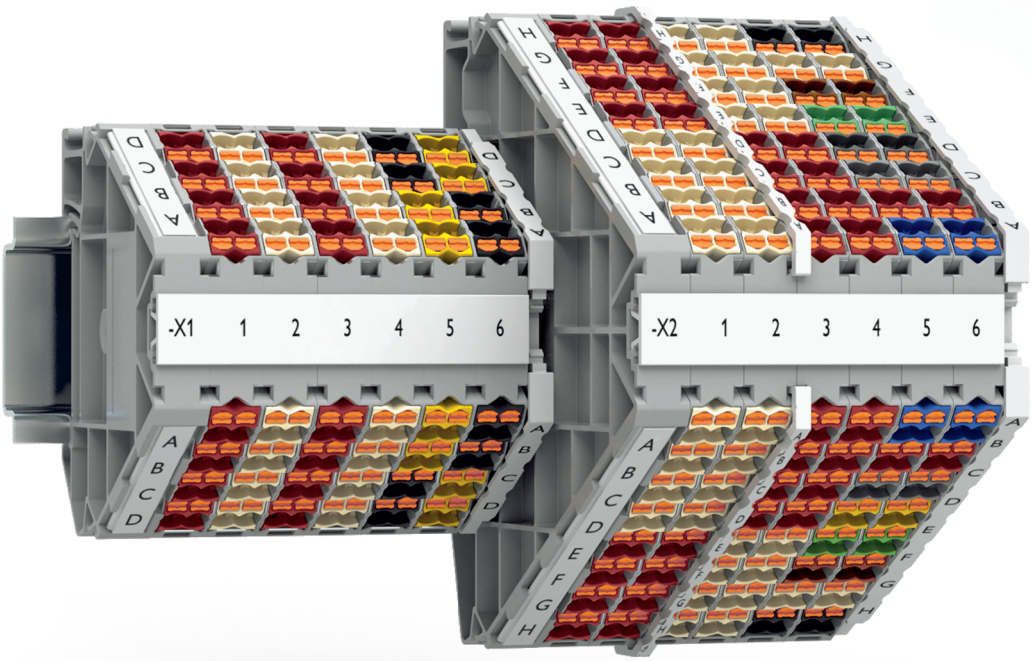
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Terminal Blocks

2015 / 2016



PHOENIX CONTACT
INSPIRING INNOVATIONS



Terminal blocks



Sensor/actuator cabling and industrial connectors

- Sensor/actuator cabling
- Cables and lines
- Connectors



Marking systems, tools, and mounting material

- Marking and labeling
- Tools
- Installation and mounting material



Surge protection and power supplies

- Surge protection and interference suppression filters
- Power supplies and UPS
- Protective devices



Interface technology and switching devices

- Electronic switching devices and motor control
- Measurement and control technology
- Monitoring
- Relay modules
- System cabling for controllers



Control technology, I/O systems, and automation infrastructure

- Lighting and signaling
- Fieldbus components and systems
- Functional Safety
- HMIs and industrial PCs
- I/O systems
- Industrial Ethernet
- Industrial communication technology
- Software
- Controllers
- Wireless data communication



PCB connection technology and electronics housing 2013/14

- PCB terminal blocks and PCB connectors
- Electronics housing

Connection technology for field devices 2013/14

- Connectors
- Cables and lines

Information on these products can be found in the electronic product catalogs for 2013/14.

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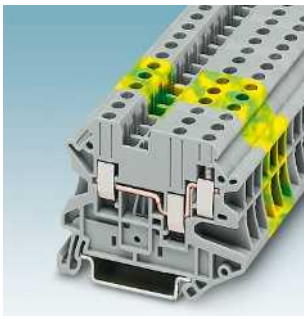
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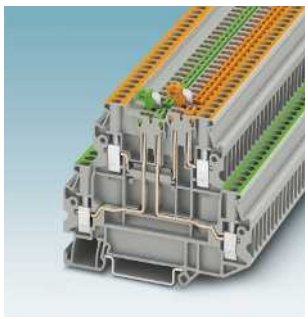
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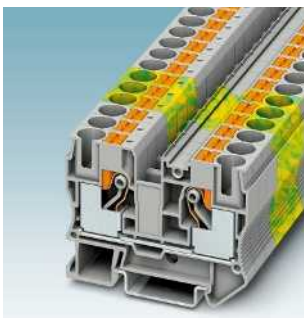
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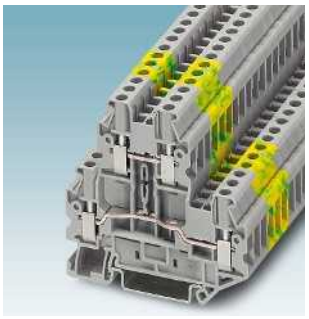


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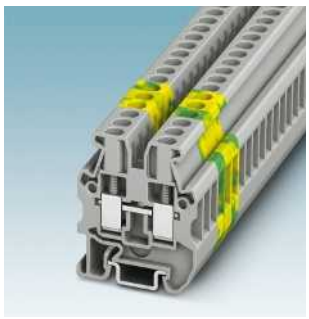
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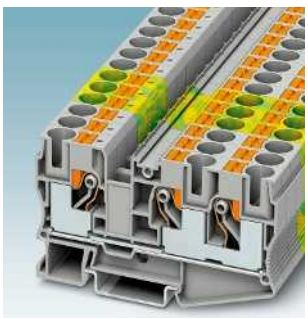
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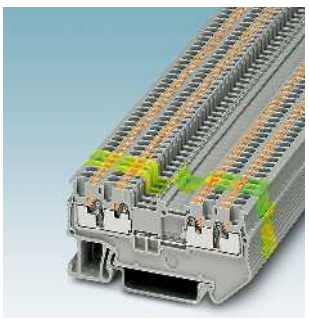
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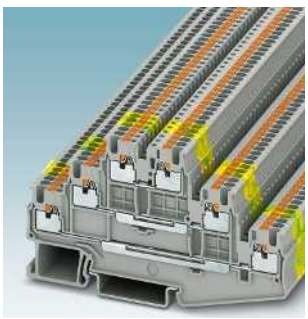
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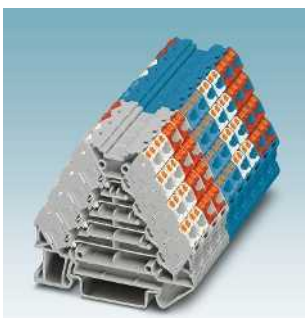
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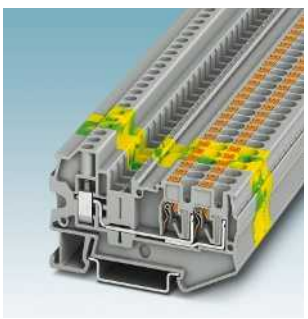
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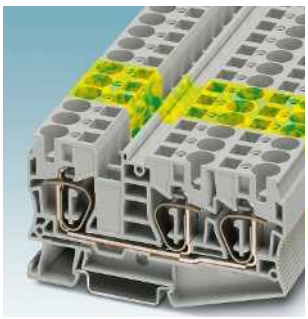


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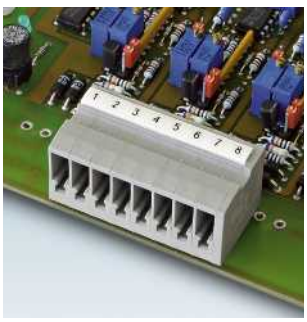
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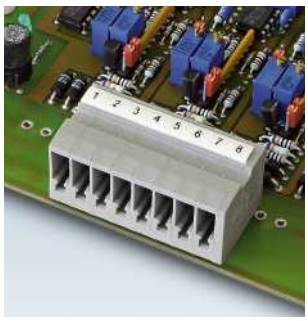
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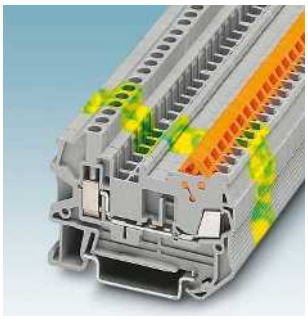
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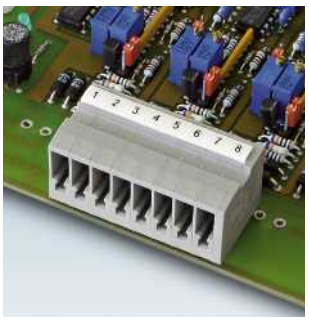
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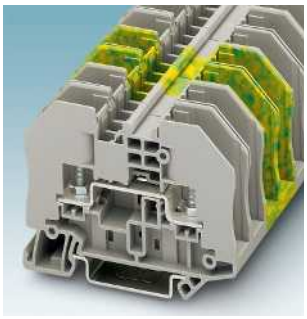
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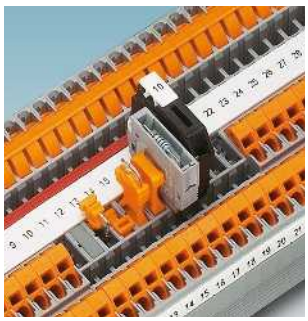
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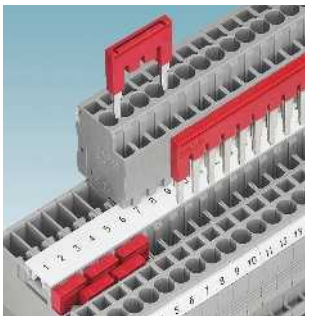


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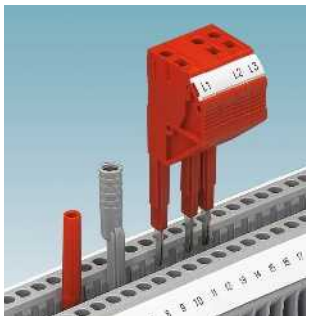
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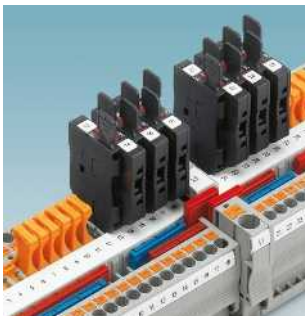
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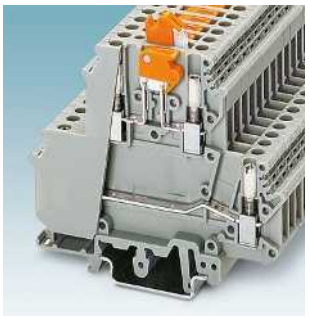
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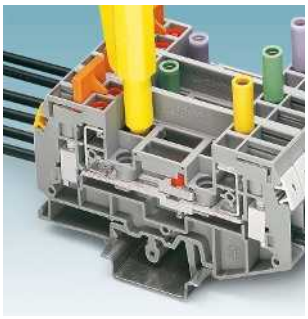
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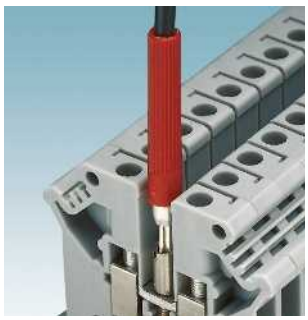


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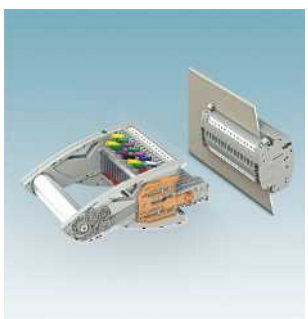


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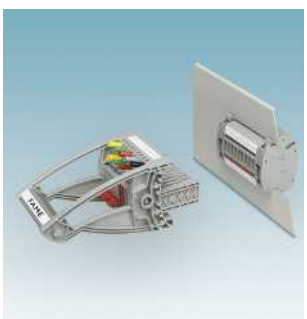
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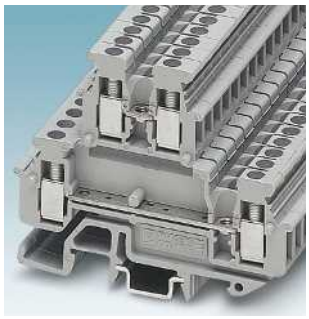
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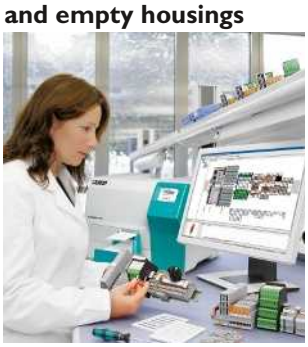


Shielded supports for neutral busbars
AB-SK ..., AB/SS ... Page 516



Double supports
AB-SK 65-D ... Page 518

Services: terminal strips, CLIPSAFE stainless steel Ex terminal boxes, and empty housings



Service
Page 589



Terminal strips
Page 590

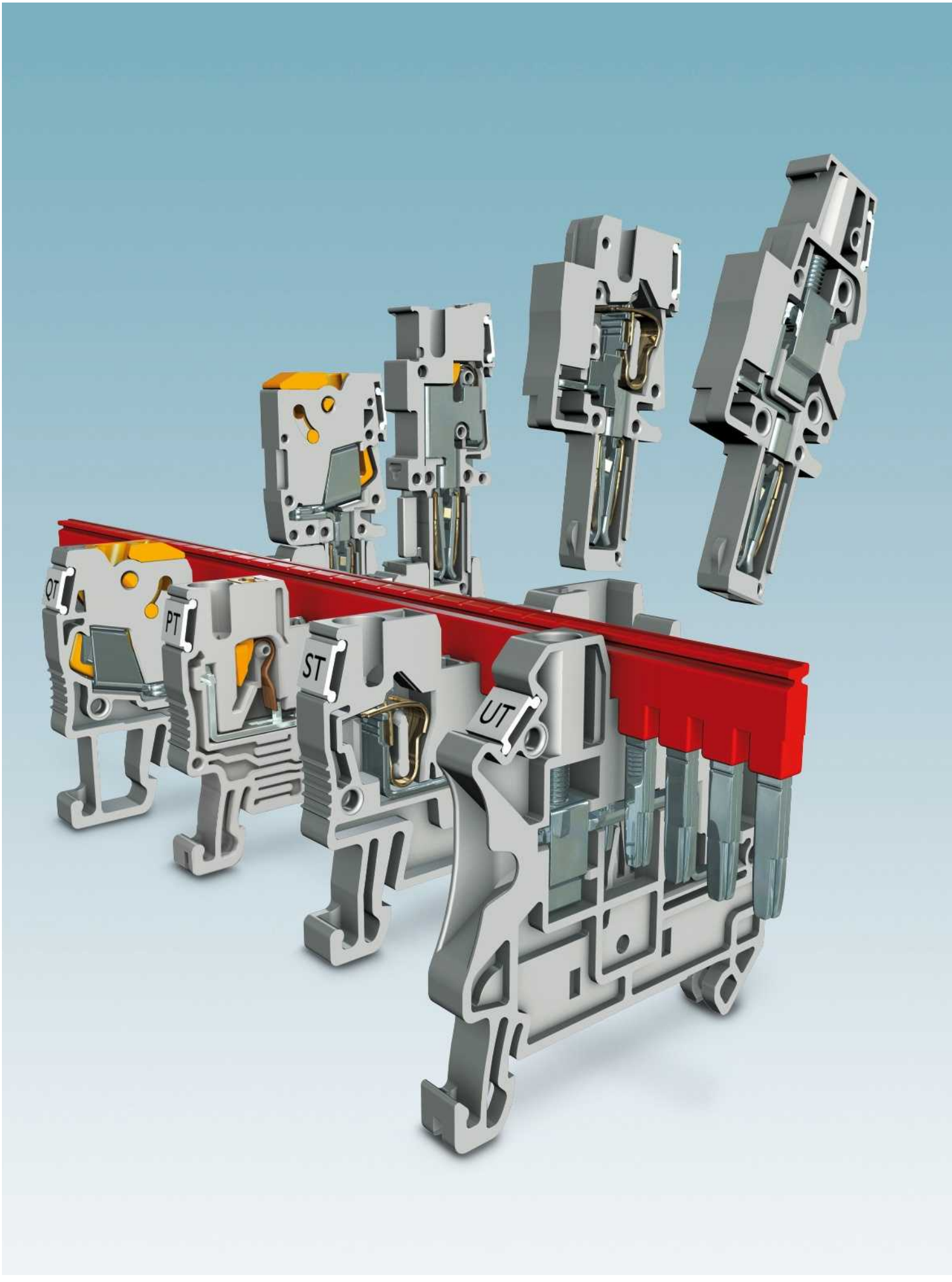


CLIPSAFE stainless steel Ex terminal boxes and empty housings Page 592

Planning and marking software



Planning and marking software
CLIP PROJECT Page 594


QT
PT
ST
UT

CLIPLINE complete system features

With CLIPLINE complete, the unique terminal block system from Phoenix Contact, the choice of connection technology is yours. The following connection methods are available:
– Universal UT... screw connection
– Simple PT... push-in connection
– Compact ST... spring-cage connection
– Fast QT QUICKON connection
– COMBI plug-in connection solutions
– Robust RT bolt connection

Irrespective of which connection technology you choose, they can all be freely combined, with the same accessories, thanks to the double function shaft.

In addition to the flexibility of this terminal block system, CLIPLINE complete also provides added value. The bridging, marking, and test accessories are standardized and can reduce your logistics and storage costs.

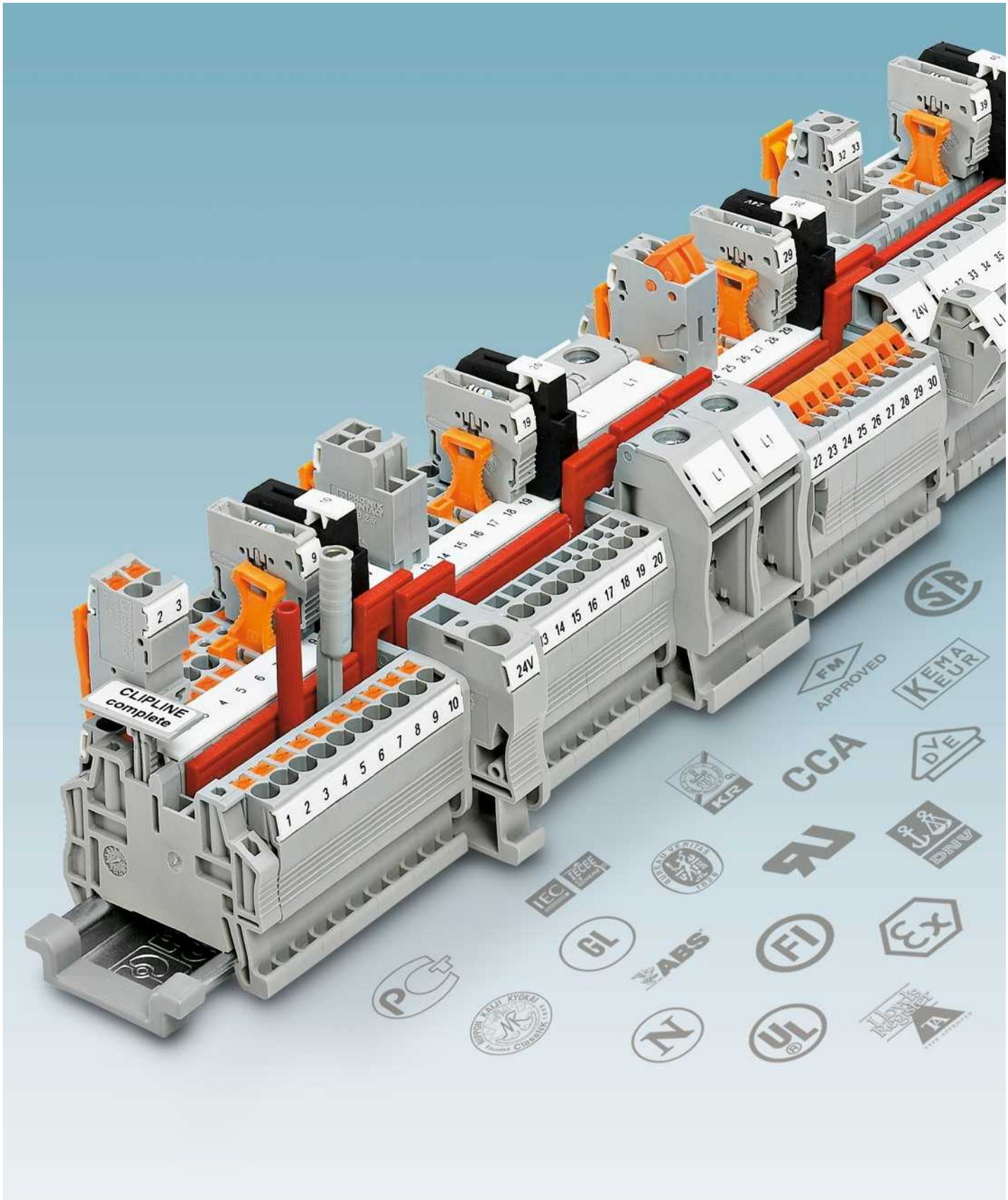
The CLIPLINE complete terminal block system has been tested and approved for a wide range of national and international approvals. The maximum level of safety in these standards is achieved by routine testing of the standard CLIPLINE complete terminal blocks according to the ATEX Directive. They can also be used in the Ex e area.

Product range overview

System features **16**

CLIPLINE complete

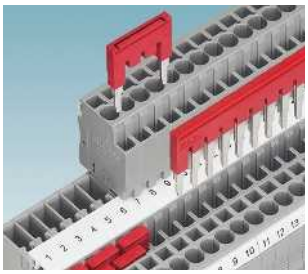
All connection technologies, one system



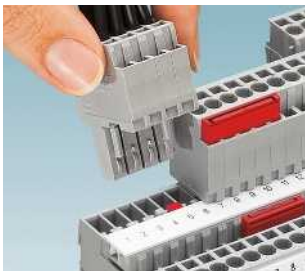
General

The CLIPLINE complete system offers you a uniform range of accessories for all connection technologies. Marking and test accessories are standardized and reduce logistics costs. In addition, all terminal blocks of the CLIPLINE complete system can be freely combined with each other using the double function shaft. The standardized plug-in zone of the COMBI basic terminal blocks also allows the connection of modules via individually configurable plugs, regardless of the connection technology.

CLIPLINE complete terminal blocks with screw, spring-cage, push-in, bolt, and plug-in connections enable you to react flexibly to the demands of your customers anywhere in the world.



Jumpering



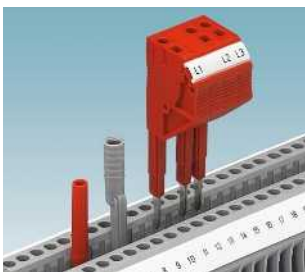
Inserting



Disconnecting



Marking



Testing

Flexible jumper system

The same jumper for all connection technologies. To allow fast and individual potential distribution, the terminal blocks in the CLIPLINE complete system have two function shafts. These are arranged in one line over all the terminal blocks, allowing for a combination of connection technologies. The 2- to 50-pos. jumpers make it possible to implement all the tasks of potential bridging within a very short time. Reducing bridges connect, for example, UT... screw terminal blocks and ST... spring-cage terminal blocks.

The plug-in switching jumpers make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks.

Plug-in connection solutions

The COMBI connection system enables the time-saving and modular configuration of your application. Like the terminal blocks, the COMBI connectors are available with screw, spring-cage, push-in, and fast connection technologies.

The nominal data of up to 41 A and 1000 V has made a connection system for signal and power wiring possible. The system meets the most stringent of vibration requirements. Both the terminal blocks and the plugs are touch proof.

Extensive accessories are available, from latching mechanisms to shield connections.

Multifunctional disconnect zone

All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various function plugs are available for use in the disconnect terminal blocks. Isolating plugs are used for simple disconnection. The fuse plugs are designed for the use of cartridge fuse-links. The patented component connector allows you to mount components quickly, without the risk of polarity reversal, and without the need for soldering.

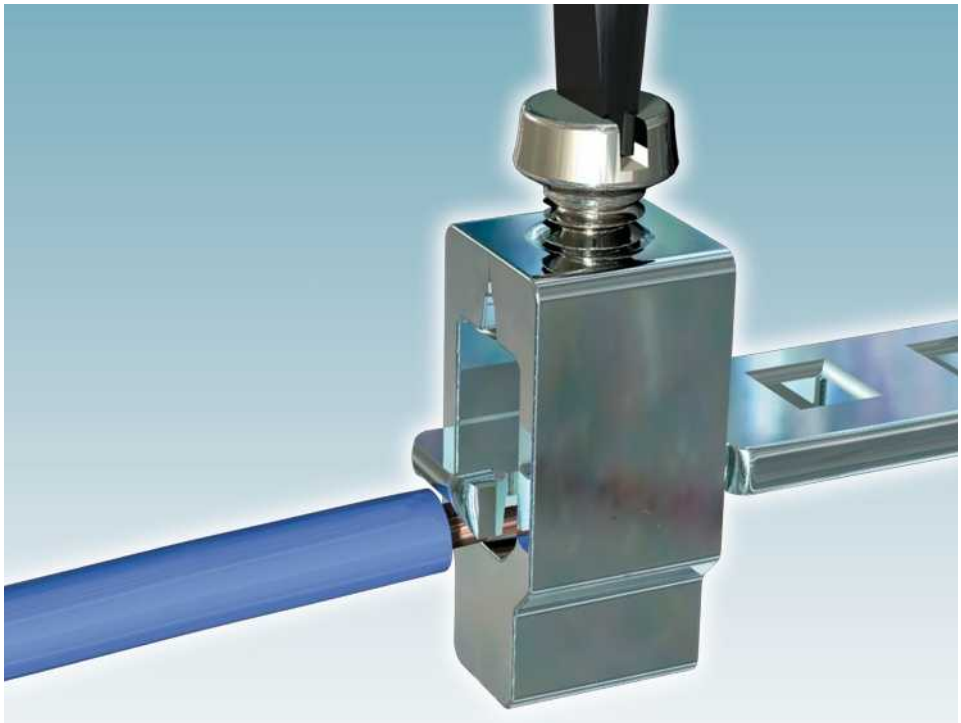
Large-surface marking

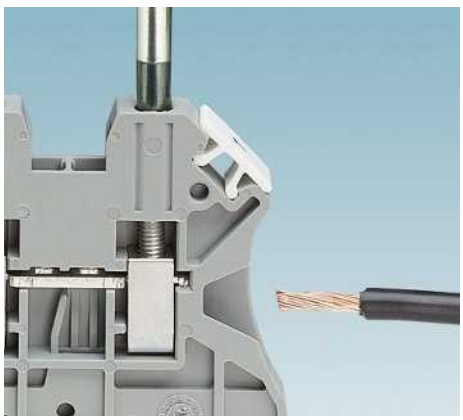
All the terminal points of the terminal blocks in the CLIPLINE complete system have large-surface marking options. This is a precondition for clear wiring and startup and simplifies assignment during testing and maintenance work. Optional large-surface snap-on marker carriers are available for group and terminal strip marking.

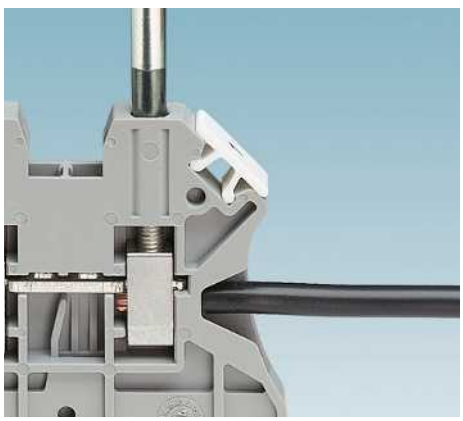
Standardized test system

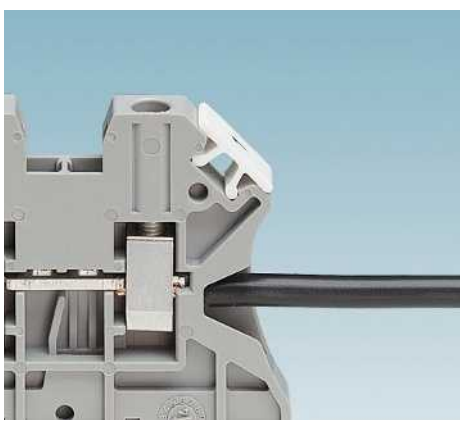
A comprehensive range of test accessories is available in the CLIPLINE complete system. All test plugs make contact in the freely accessible function shaft. For individual measuring lines, a 2.3 mm diameter test plug is available. More complex testing tasks can be implemented using alignable test plugs. The corresponding spacers can be used to assemble individual test adapters perfectly suited for use in test laboratories.

System features - screw connection









Material properties

The metal parts of the UT... screw connection terminal blocks are made from high-grade, strain-crack, and corrosion-proof copper alloys as a standard feature. This eliminates the possibility of electrolytic corrosion in the presence of moisture and the risk of rusting. The consequences, such as unreliable electrical contacts and/or jammed screws, are also prevented. Another advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the UT... screw connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

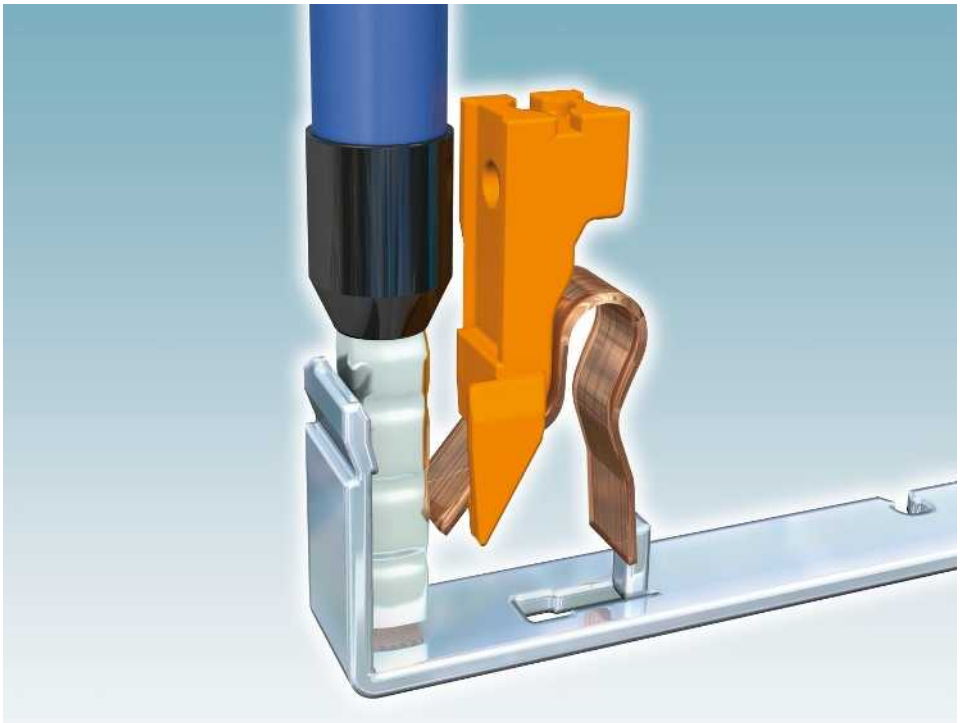
Connection principle

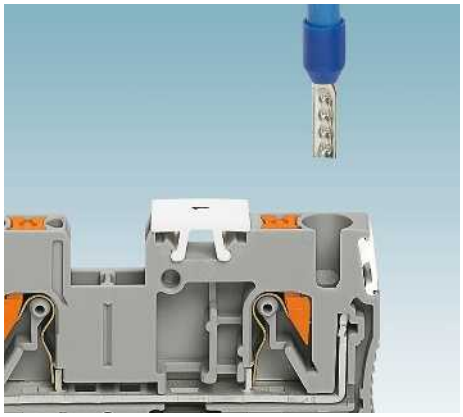
UT... screw connection terminal blocks are designed for the most stringent requirements. For more than 80 years, they have proven themselves a billion times over in all applications. An important characteristic is the maintenance-free conductor connection. There is no need to tighten the terminal block screws. The screws are prevented from loosening by the Reakdyn principle, a screw locking technique developed by Phoenix Contact.

Phoenix Contact UT... screw connection terminal blocks can be clamped without any pretreatment. Splicing protection can also be implemented in the form of ferrules. A special characteristic of the screw clamping body is the multi-conductor connection, which is often required.

Very large conductor cross sections up to 240 mm² can also be wired gas-tight and with long-term stability thanks to the high contact forces.

System features - push-in connection





Material properties

All metal parts of the push-in terminal blocks are made from corrosion-free materials. The conductive metals consist of high-grade copper alloys. A particular advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The contact force for the push-in connection is applied by a leg spring made of high-strength chromium-nickel spring steel.

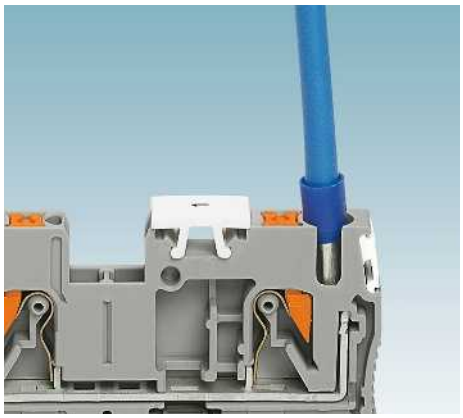
The insulating housing of the terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

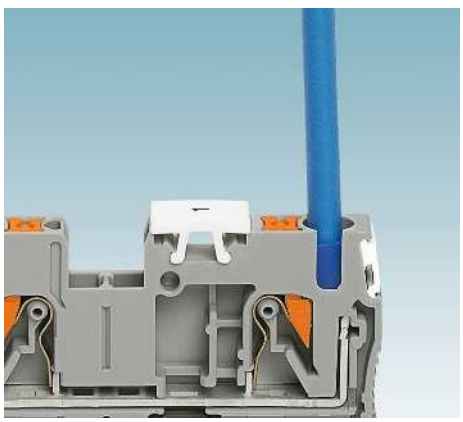
Connection principle

PT... push-in connection terminal blocks have been developed for direct conductor connection. This means that solid conductors or conductors with ferrules can be inserted directly into the terminal block without tools.

The special spring profile enables the easy insertion of conductors with ferrules from 0.34 mm² to 95 mm². The contact spring is opened automatically when the conductor is pushed in and thereby provides the required pressure force against the current bar. Both for releasing conductors and connecting small cross sections from 0.14 mm², the spring is opened by means of the actuation lever – easily and without direct contact with live parts. The actuation lever can be operated with all standard screwdrivers.

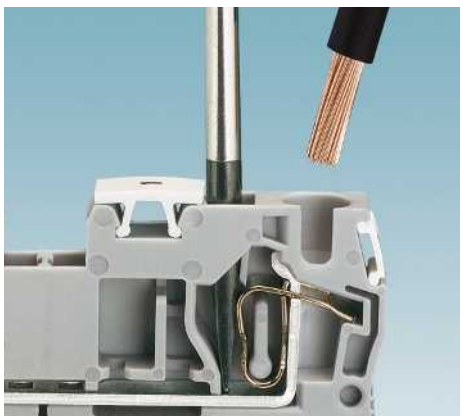
The PT... connection technology has been tested and approved for a wide range of approvals. These include, for example, vibration resistance according to railway standard EN 50155 and shock and corrosion resistance according to current shipbuilding registers. It is also certified for process engineering in areas with increased safety (Ex e).





System features - spring-cage connection









Material properties

All metal parts of the spring-cage terminal blocks are made from corrosion-free materials. The conductive metals consist of high-grade copper alloys. A particular advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The contact force for the spring-cage connection is applied by a spring element made from high-strength chromium-nickel spring steel.

The insulating housing of the spring-cage terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

Connection principle

ST... spring-cage terminal blocks have been developed for universal spring-loaded conductor contacting.

The contact force is independent of the user and creates a vibration-proof, gas-tight connection with long-term stability.

The terminal point is opened with a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact. The easy operation is a result of the front connection, i.e., the conductor and screwdriver come in parallel from the same direction.

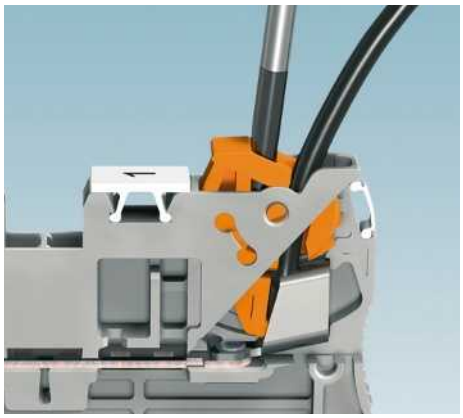
All kinds of copper conductors up to 35 mm² can be clamped without any pretreatment. Splicing protection can also be implemented in the form of ferrules.

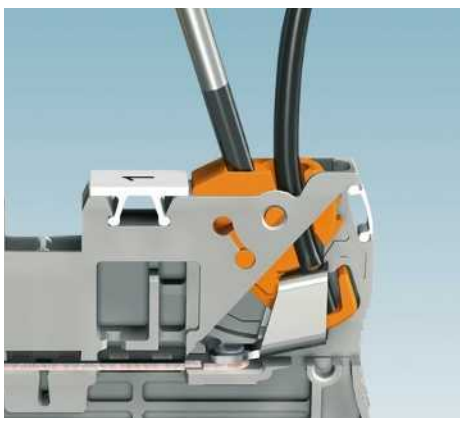
Phoenix Contact spring-cage terminal blocks offer a large insertion space, i.e., conductors with ferrules and insulating collars and with a nominal cross section can also be wired.

System features - fast connection









Material properties

The patented contact metals of the QT... fast connection terminal blocks are made from a special, high-grade copper alloy. This combines good electrical conductivity with excellent elastic characteristics.

The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the fast connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

Connection principle

QT QUICKON terminal blocks are designed for fast conductor connection. There is no need to strip or implement splicing protection; the cables simply need to be cut to length for contact to be made in a matter of seconds.

An important characteristic is the space-saving twist connection. Due to the simplicity of the connection, the wiring time is reduced by up to 60 percent.

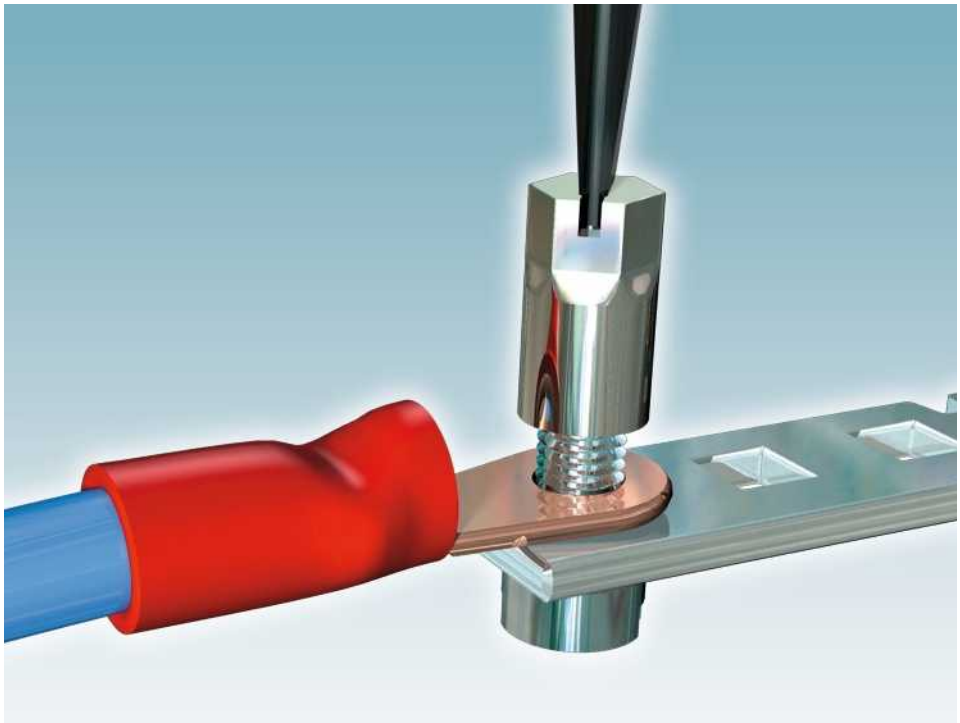
A standard screwdriver is used to operate the terminal blocks and the switching states are clearly signaled by engagement points in the start and end position.

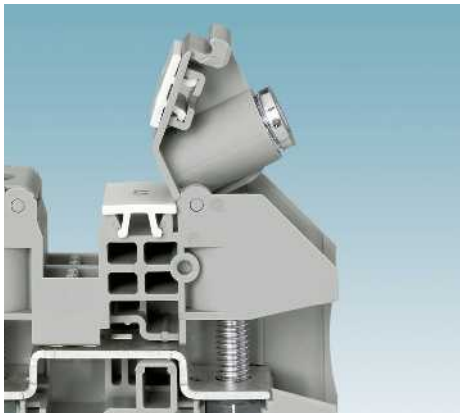
Solid and stranded conductors from 0.25 to 2.5 mm² can be wired without aids such as guide ferrules.

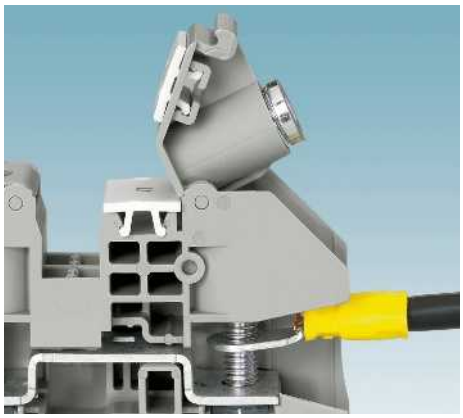
When a conductor is connected, the conductor insulation is cut open, displaced, and the conductor is securely engaged in the end position where it makes extensive, gas-tight contact.

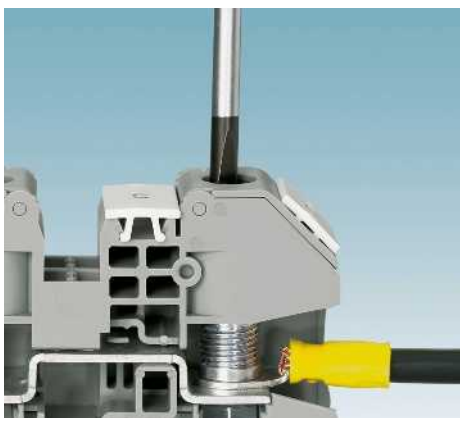
The high quality of the QUICKON fast connection is verified by the fact that this connection is certified according to the standard for Ex e applications, as are the screw and spring connections.

System features - bolt connection









Material properties

All metal parts of the bolt connection terminal blocks are made from corrosion-free materials. The conductive metals consist of high-grade copper alloys. Due to their good electrical conductivity, they ensure a low temperature rise. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the bolt connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics.

Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

Connection principle

RT... bolt connection terminal blocks have been developed with a robust design and offer convenient wiring for ring cable lugs.

An important characteristic is the hinged cover which can be swung up and which features a captive cap nut. This ensures quick and easy ring cable lug wiring.

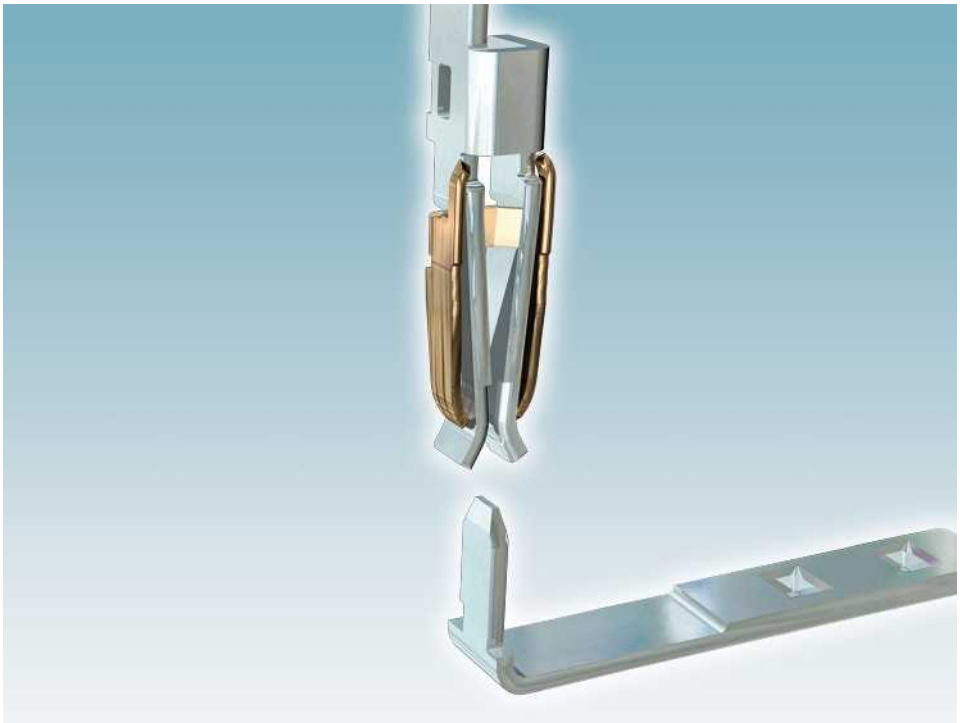
The integrated screw locking in the form of a spring retainer guarantees safe use, even in applications which are subject to shock and vibration.

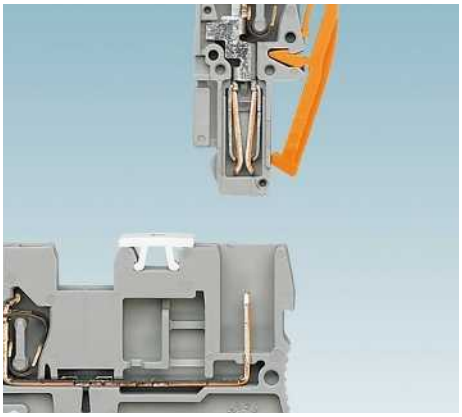
All ring cable lugs which comply with DIN 46234, DIN 46235 or DIN 46237 can be connected.

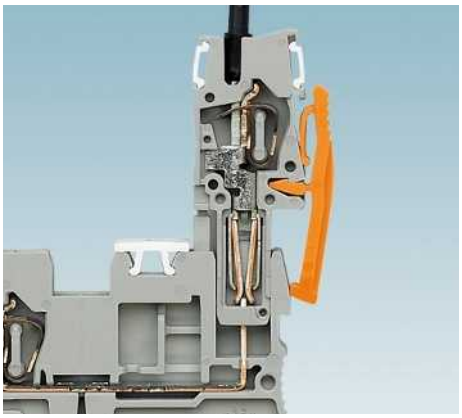
A special characteristic of the bolt connection is the often required multi-conductor connection, on which up to four cable lugs can be connected per bolt.

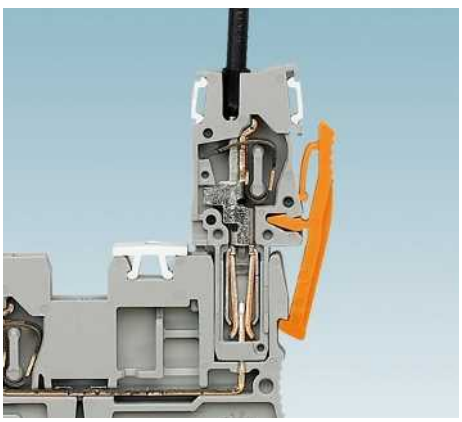
All kinds of conductors up to 240 mm² can be wired securely and with long-term stability.

System features - plug-in connection









Material properties

All metal parts of the COMBI connectors are made from corrosion-free materials. The distinction between the electrical and mechanical functions is a particular advantage. The conductive metals consist of high-grade copper alloys. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating. The high current carrying capacity of the contact is achieved by an integrated covering spring made of chromium-nickel spring steel.

The insulating housing of the COMBI connectors is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics.

Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

Connection principle

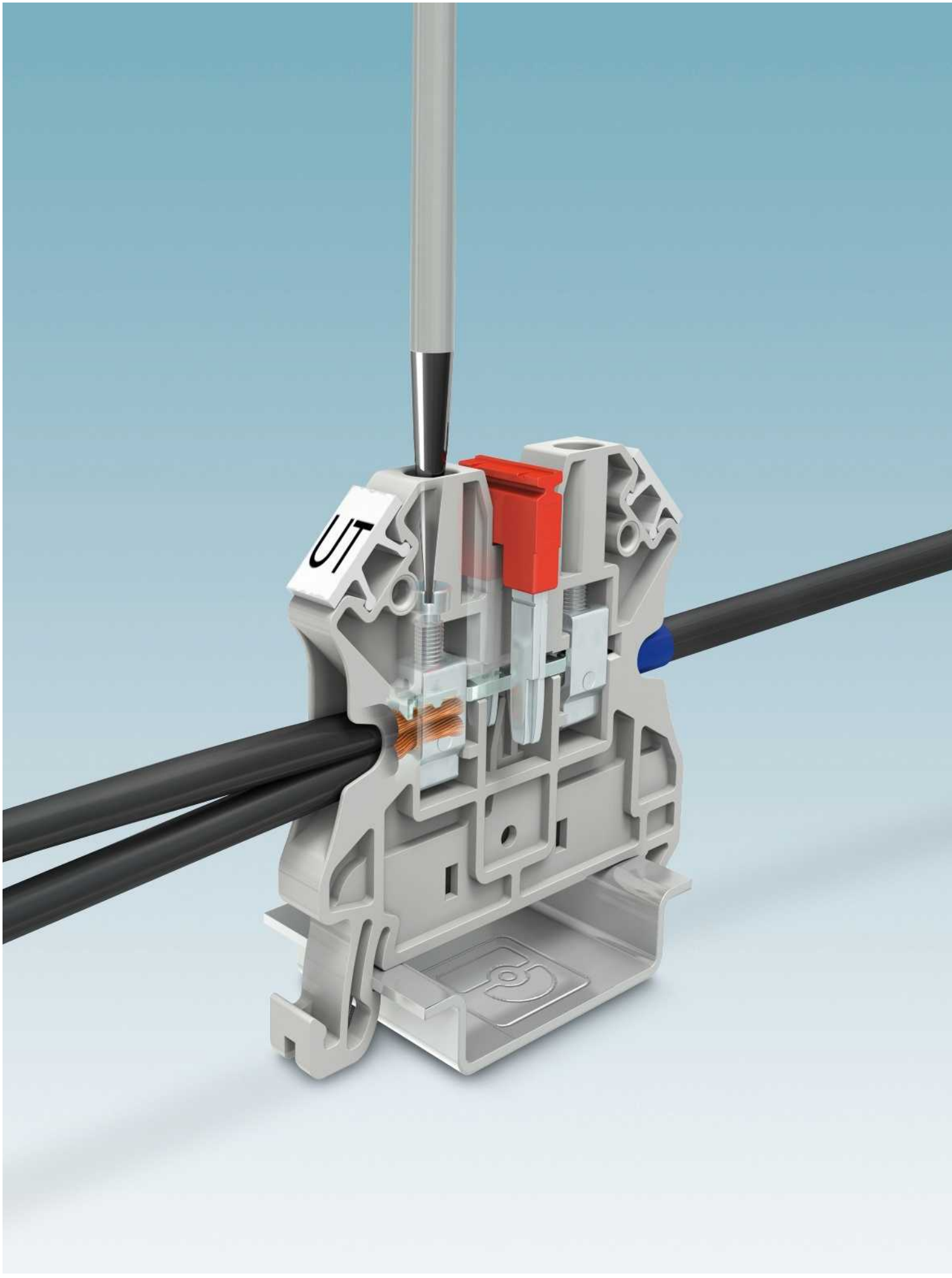
COMBI plug-in connections are designed for the most stringent universal demands in terms of plug-in capability. Here the nominal current of the connected conductor can be carried through the plug-in contact.

The uniform plug-in zone is an important characteristic. Connectors and basic terminal blocks with four connection technologies can be freely combined with each other, thanks to the uniform plug-in zone.

The modular structure also enables individual self-assembly of the plugs and the couplings.

All kinds of copper conductors can be connected without any pretreatment. Splicing protection can also be implemented in the form of ferrules.

COMBI connectors with all connection technologies offer a large insertion space, i.e., conductors with ferrules and insulating collars and with a nominal cross section can also be wired.


UT

UT... screw connection terminal blocks

The UT... screw connection terminal blocks from the CLIPLINE complete system satisfy the most stringent requirements and cover a wide area of application. They impress with their maintenance-free conductor connection and offer maximum flexibility with their multi-conductor connection. You can connect conductors with a nominal cross section either with or without ferrules. It is not necessary to tighten the terminal block screws, since they are prevented from loosening by the Reakdyn principle, a screw locking technique developed by Phoenix Contact. Very large conductor cross sections up to 240 mm² can also be wired gas-tight and with long-term stability thanks to the high contact forces.

Product range overview

2.5 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	**31**
Disconnect and knife disconnect terminal blocks	**33**
Diode and LED terminal blocks	**35**
Installation terminal blocks	**36**
Mini feed-through terminal blocks and ground terminals	**39**

4 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	**41**
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape	**43**
Disconnect and knife disconnect terminal blocks	**45**
Test disconnect terminal blocks	**49**
Diode terminal blocks	**50**
Installation terminal blocks	**51**
Mini feed-through terminal blocks and ground terminals	**51**

6 mm²

Feed-through terminal blocks and ground terminals	**53**
Fuse terminal blocks	**53**
Disconnect and knife disconnect terminal blocks	**54**
Test disconnect terminal blocks	**56**
Installation terminal blocks	**58**

10 mm²

Feed-through terminal blocks and ground terminals	**61**
Installation terminal blocks	**61**

16 mm²

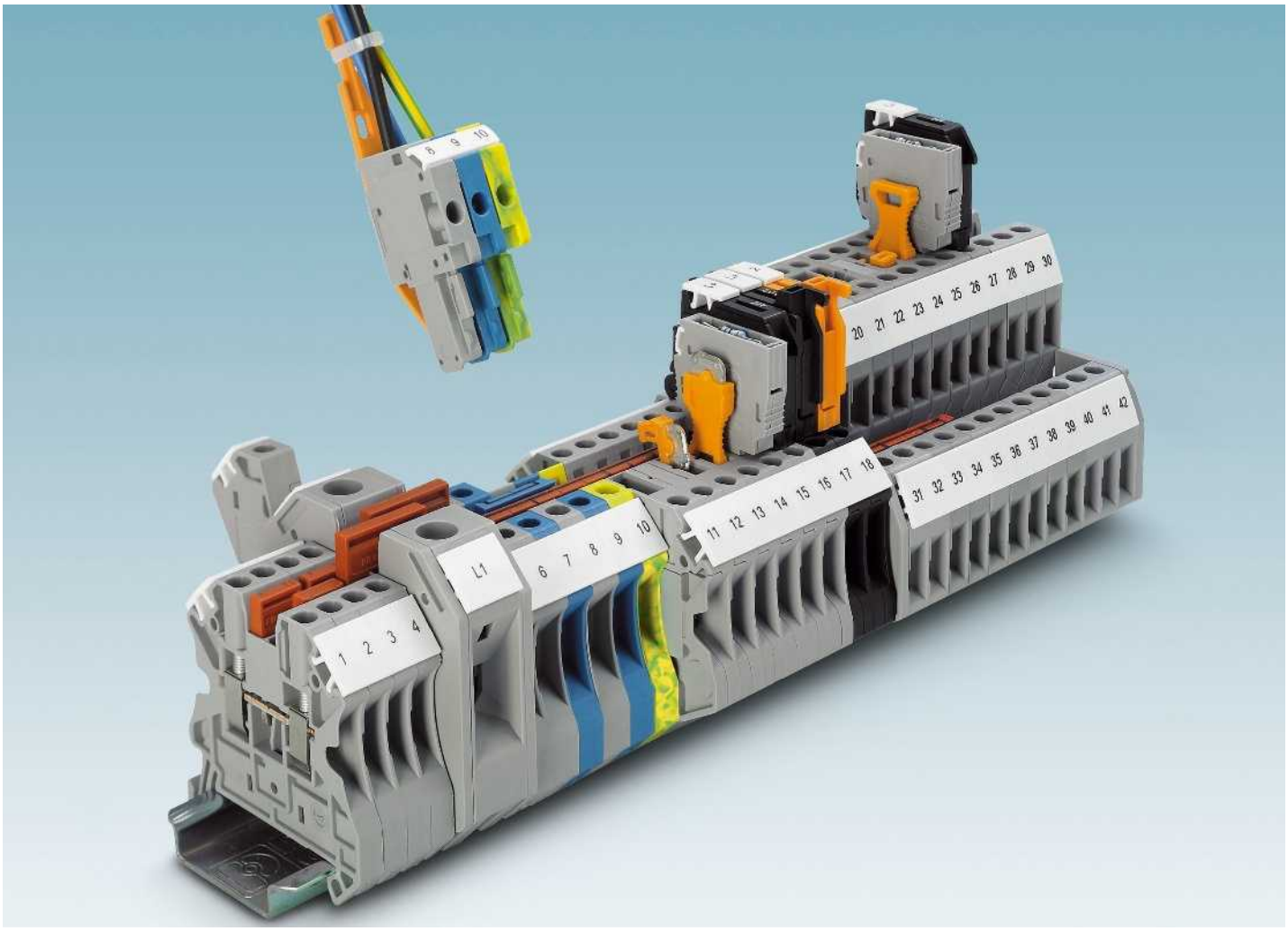
Feed-through terminal blocks and ground terminals	**63**
Installation terminal blocks	**63**

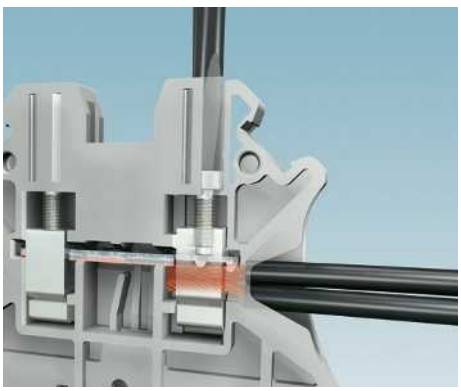
35 mm²

Feed-through terminal blocks and ground terminals	**65**
Installation terminal blocks	**65**

50 mm² - 240 mm²

High-current terminal blocks	**67**





Universal and zero-maintenance

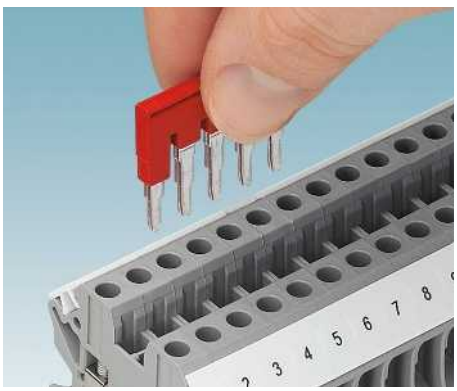
The screw connection is characterized by three main features.

– Global standard
– Multiple conductor connection
– Zero maintenance thanks to Reakdyn principle.



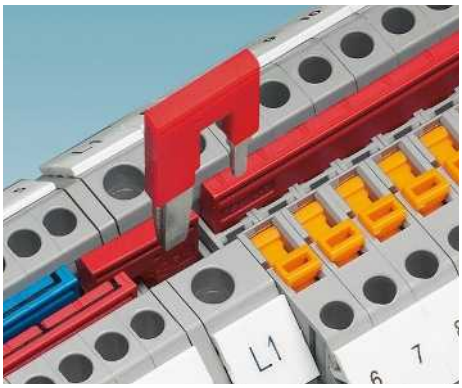
Snap-on PE foot

Ground terminals of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of the IEC 60947-7-2 standard.

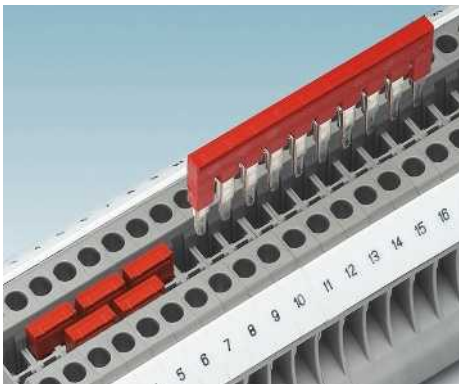


Flexible jumper system

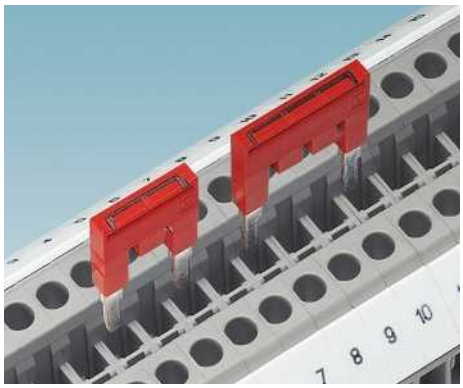
The potential distribution can be implemented at speed with the standardized jumpers. Using two bridge shafts in all terminal blocks makes flexible chain, level or jumping bridges possible.



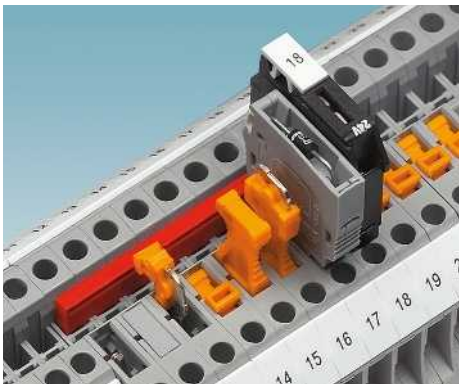
The reducing bridge enables terminal blocks with different nominal cross sections to be connected easily, e.g., a UT 10 terminal block to a UT 2,5. Power blocks can be created quickly using the reducing bridge.



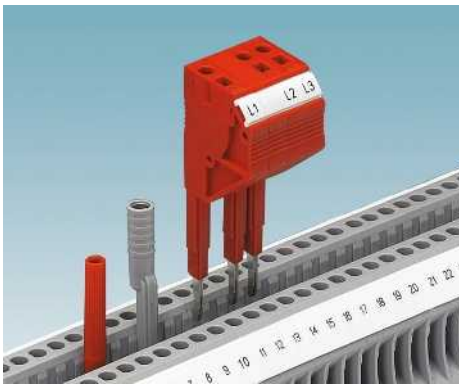
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2 to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



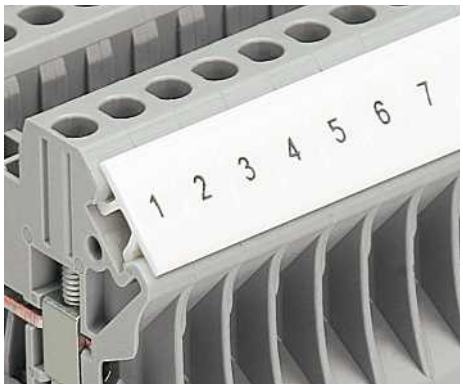
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component connector, and P-FU cartridge fuse plug can be used in the universal plug-in zone of the disconnect terminal block.



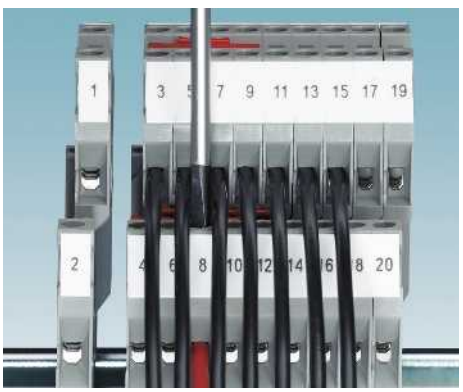
A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



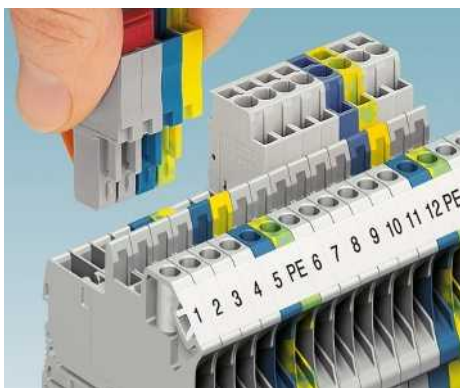
Large-surface and clear marking of the terminal points is essential for reliable and quick installation. Each terminal point in the UT... series can be marked separately.



Disconnect terminal blocks and feed-through terminal blocks UT 4-MTD are available in the same shape as the feed-through terminal blocks. All terminal blocks can be continuously bridged with one another with the double function shaft.

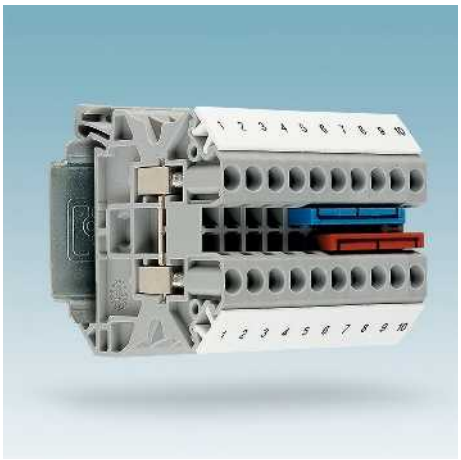


If fully wired, the level offset of the double-level terminal blocks allows the lower connection level to be accessed in full and provides a perfect view of the lower labeling markers and conductor entry funnel.



UT-COMBI terminal blocks are available for creating plug-in signal and power wiring. The system is touch proof and offers plugs for self-assembly with extensive accessories. See “COMBI” section, page 225.

UT... feed-through, multi-conductor, and multi-level terminal blocks



- Multi-level terminal blocks with PE pick-off and function level
- Signal processing and protection in a confined space, thanks to safety/disconnect lever and universal function zone
- Double bridge shaft enables individual potential distribution and supply
- Suitable for process technology, thanks to Ex nA approval
- Feed-through terminal blocks of the same shape available

Your web code: #0056

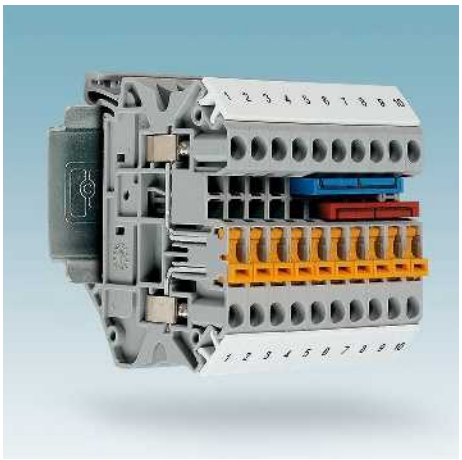
UT... multifunctional terminal blocks



- A wide range of products thanks to versions with PE function or LED display
- Optimum overview of signal connections thanks to a variety of marking options
- Modular expansion up to a maximum of 50 positions, as power terminals are the same shape
- Energy supplied or enhanced by power terminals

Your web code: #0075

UT... function terminal blocks



- Convenient separation of circuits using lever-type disconnect knife, isolating plug or rotary contact
- User-friendly current measurement thanks to testing facility either side of the disconnect point
- Safe operation as the disconnect lever is locked in the end positions
- Clear identification of the disconnect point thanks to color highlighting
- Individual assembly with disconnect element, fuse plug, component connector, and feed-through connector

Your web code: #0057

UTME... test disconnect terminal blocks



- Easy and safe operation thanks to clear indication of switching states
- Maximum functionality – up to six universal function shafts for potential distribution or for test purposes
- Modular expansion thanks to feed-through terminal blocks and ground terminals of the same shape
- Modular design of transformer circuits thanks to plug-in test disconnect terminal blocks
- Reliable protection of connected current transformers thanks to connector versions with an integrated, leading short-circuit contact

Your web code: #0058

MUT... miniature terminal blocks



- Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- Clear, as all terminal points are marked
- Easy potential distribution thanks to standardized jumpers
- Ideal for installation in small control boxes or terminal boxes, e.g., for motor connection

Your web code: #0059

UTI... installation terminal blocks



- Space saving thanks to compact three-level distributor terminal blocks of the same shape for single- and multi-phase circuits
- Complete flexibility – all installation terminal blocks with different connection technologies can be combined
- Dielectric test without disconnecting the neutral conductor – thanks to the disconnect slide
- Protection against unintentional actuation since the disconnect slide can be snapped into the limit positions
- Easy terminal block mounting without removing the neutral busbar

Your web code: #0060

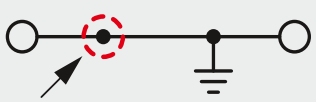
2.5 mm² UT... screw connection terminal blocks

General technical data for 2.5 mm² UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

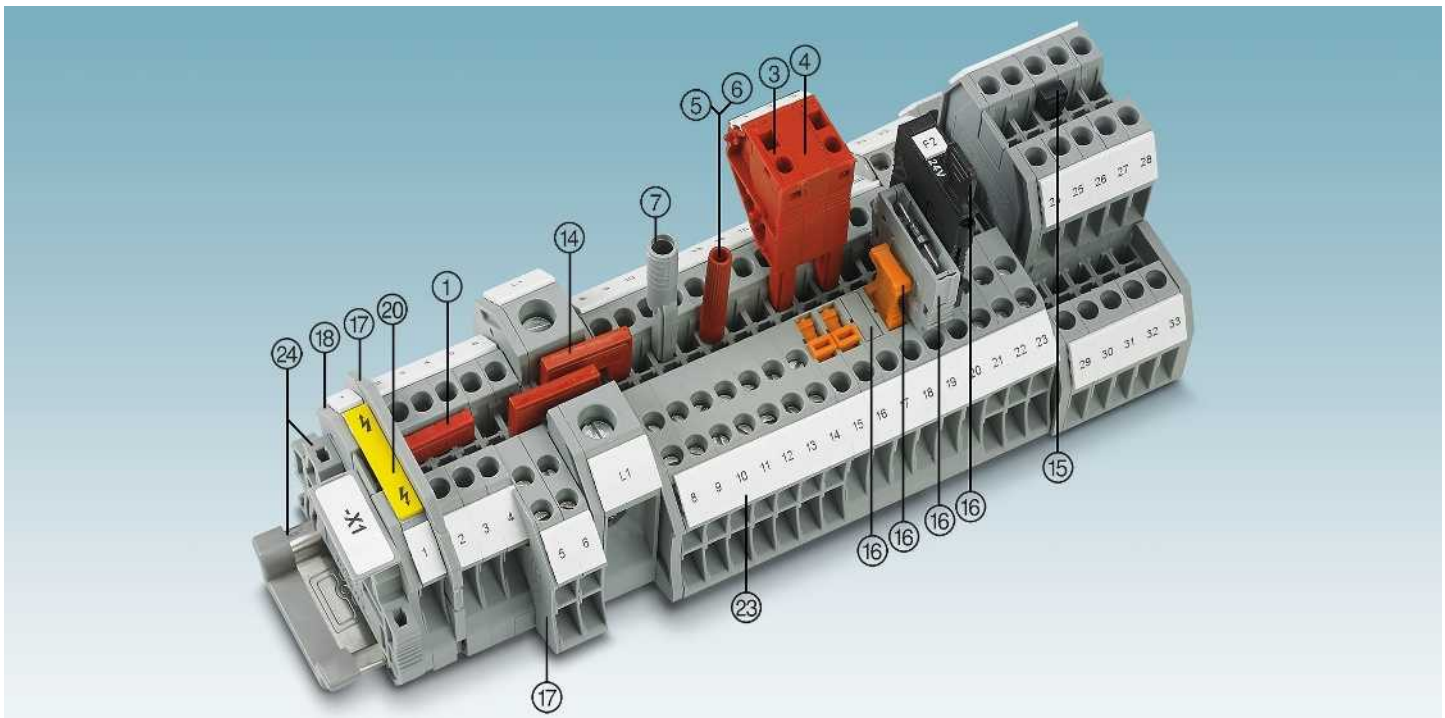


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 2.5 mm² UT... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-5**	**3030161**	50	**FBSR 2-5**	**3033702**	50
	3	red	**FBS 3-5**	**3030174**	50	**FBSR 3-5**	**3001591**	50
	4	red	**FBS 4-5**	**3030187**	50	**FBSR 4-5**	**3001592**	50
	5	red	**FBS 5-5**	**3030190**	50	**FBSR 5-5**	**3001593**	50
	10	red	**FBS 10-5**	**3030213**	10	**FBSR 10-5**	**3033710**	10
	20	red	**FBS 20-5**	**3030226**	10			
③ **Modular test plug**		red	**PS-5**	**3030983**	10			
④ **Spacer plate**		red	**DP PS-5**	**3036725**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10			

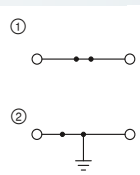
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS-PV ..., see page 341.**
⑯ **Fuse and function plugs for disconnect terminal blocks**	**For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉓ **Lateral groove marking**	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 30.

For information on installation and using accessories for Ex applications, see page 602.





32 A, feed-through terminal block and ground terminal

Ex: EAC Ex

KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

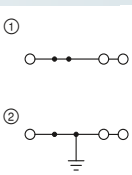
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**47.7**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**1000**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 2,5**	①	**3044076**	50
	blue	**UT 2,5 BU**	①	**3044089**	50
Ground terminal	green-yellow	**UT 2,5-PE**	②	**3044092**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 2,5/10**	**3047028**	50





30 A, feed-through terminal block and ground terminal, 3 connections

Ex: EAC Ex

KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

		Width	Length	Height	
		5.2	**57.8**	**47.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**500**	**0.14 - 4**	**26-12**
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	150	150	352
		24 / 2.5	20 / -	20 / -	21 / 2.5

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 2,5-TWIN	①	**3044513**	50
UT 2,5-TWIN BU	①	**3044526**	50
UT 2,5-TWIN-PE	②	**3044539**	50

Accessories[1])

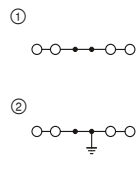
D-UT 2,5/4-TWIN	**3047141**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 30.

For information on installation and using accessories for Ex applications, see page 602.





30 A, feed-through terminal block and ground terminal, 4 connections

Ex: EAC Ex

KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

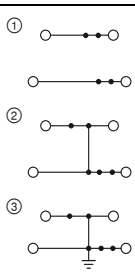
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**65.4**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**500**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	150	150	352
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5

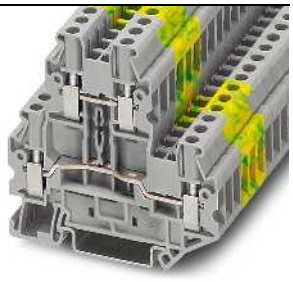
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 2,5-QUATTRO**	①	**3044542**	50
	blue	**UT 2,5-QUATTRO BU**	①	**3044555**	50
	With potential distribution	gray			
Ground terminal	green-yellow	**UT 2,5-QUATTRO-PE**	②	**3044568**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 2,5/4-QUATTRO**	**3047170**	50
Spacer plate	gray			





28 A, double-level terminal block and ground terminal

Ex: EAC Ex

KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

		Width	Length	Height	
		5.2	**69.9**	**65 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	**500**	**0.14 - 4**	**26-12**
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	600	352
		24 / 2.5	20 / -	20 / -	20 / 2.5

Ordering data

Type		Order No.	Pcs. / Pkt.
UTTB 2,5	①	**3044636**	50
UTTB 2,5 BU	①	**3044649**	50
UTTB 2,5-PV	②	**3044652**	50
UTTB 2,5-PE	③	**3044665**	50

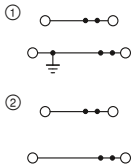
Accessories[1])

D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

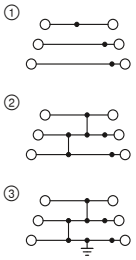
Notes:

[1]) For additional accessories and technical data, see page 30.





28 A, double-level terminal block with PE foot





24 A, three-level terminal block and ground terminal

Technical data[1])							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**69.9**	**65 (NS 35/7,5)**		**5.2**	**90**	**77.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	28	**500**	**0.14 - 4**	**26-12**	**24**	**500**	**0.14 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)				19 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-	500	600	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-	19 / 2.5	20 / -	20 / -	-

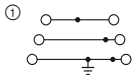
Ordering data							
Description	Color	Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UTTB 2,5-PE/L**	①	**3044678**	50	**UT 2,5-3L**	①	**3214259**	50
upper level blue	gray	**UTTB 2,5-PE/N**	①	**3046731**	50				
upper level blue	gray	**UTTB 2,5-L/N**	②	**3044681**	50				
With potential distribution	gray					**UT 2,5-3PV**	②	**3214262**	50
Ground terminal	green/yellow					**UT 2,5-3PE**	③	**3214275**	50

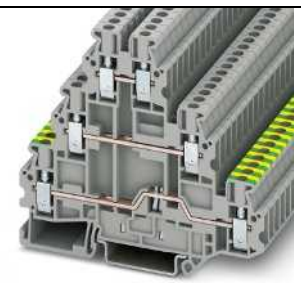
Accessories[1])					
Cover, width 2.2 mm	gray	**D-UTTB 2,5/4**	**3047293**	50	**D-UT 2,5-3L**	**3214314**	50
Spacer plate	gray	**DP-UTTB 2,5/4**	**3047303**	50			

Multi-level terminal blocks

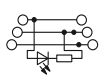
Notes:

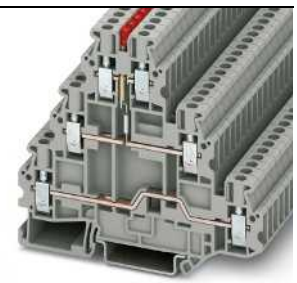
[1]) For additional accessories and technical data, see page 30.





24 A, three-level terminal block with PE foot





24 A, three-level terminal block with LED display

Technical data[1])							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**90**	**77.5 (NS 35/7,5)**		**5.2**	**90**	**77.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**500**	**0.14 - 4**	**26-12**	**24**	**500**	**0.14 - 4**	**26-12**
Max. bridge current [A]	19 (FBS) / 17.5 (FBSR)				19 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-	500	600	24	-
Nominal current / cross section [A] / [mm²]	19 / 2.5	20 / -	20 / -	-	19 / 2.5	20 / -	20	-

Ordering data							
Description	Color	Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 2,5-PE/L/L**	①	**3214301**	50				
upper level blue	gray	**UT 2,5-PE/L/N**	①	**3214291**	50				
Terminal block, with LED for 12 - 30 V DC, 0.7 - 2.4 mA	gray					**UT 2,5-3L-LA24RD/O-M**	①	**3214288**	50

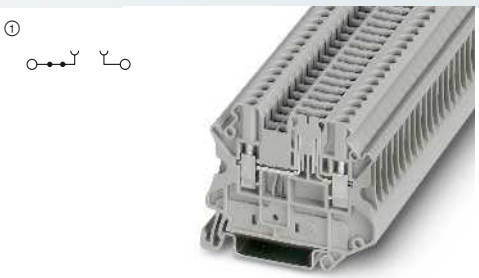
Accessories[1])							
Cover, width 2.2 mm	gray	**D-UT 2,5-3L**	**3214314**	50	**D-UT 2,5-3L**	**3214314**	50

Disconnect and knife disconnect terminal blocks

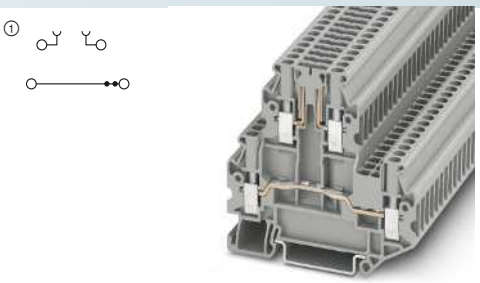
Notes:

1) For additional accessories and technical data, see page 30.

2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block



20 A, double-level terminal block with disconnect zone

Technical data[1]					Technical data[1]			
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**57.8**	**47.5 (NS 35/7,5)**		**5.2**	**69.9**	**65 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20[2])	**400[2])**	**0.14 - 4**	**26-12**	**20**	**400**	**0.14 - 4**	**26-12**
Max. bridge current [A]	20 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400[2])	300	300	-	400	300	-	-
Nominal current / cross section [A] / [mm²]	20[2]) / 2.5	20 / -	16 / -	-	20 / 2.5	16	-	-
Nominal current / cross section [A] / [mm²]	-				16[2]) / 2.5 (disconnect level)			

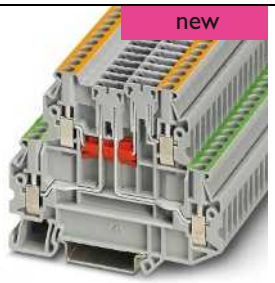
Ordering data				Ordering data			
Description / Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	
Disconnect terminal block gray	**UT 2,5-TG** ①	**3046388**	50				
blue	**UT 2,5-TG BU** ①	**3046579**	50				
With test socket screws gray	**UT 2,5-TG-P/P** ①	**3046391**	50	**UTTB 2,5-TG-P/P** ①	**3044644**	50	
blue	**UT 2,5-TG-P/P BU** ①	**3046582**	50				

Accessories[1]				Accessories[1]		
Cover, width 2.2 mm gray	**D-UT 2,5/4-TWIN**	**3047141**	50	**D-UTTB 2,5/4**	**3047293**	50
Spacer plate gray				**DP-UTTB 2,5/4**	**3047303**	50

Disconnect and knife disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 30.



16 A, double-level terminal block with two disconnect zones

Technical data[1]				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**80.1**	**58.1 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	16	**400**	**0.14 - 4**	**26-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	-	-
Nominal current / cross section [A] / [mm²]	16 / 2.5	16	-	-

Ordering data			
Description / Color	Type	Order No.	Pcs. / Pkt.
Terminal block gray	**UTT 2,5-2TG-P/P** ①	**3044674**	50

Accessories[1]			
Cover, width 2.2 mm gray	**D-UTT 2,5/4**	**3044676**	50
Spacer plate, compensates for level offsets, width 2.5 mm gray	**DP-UTT 2,5/4**	**3044677**	50

Disconnect and knife disconnect terminal blocks

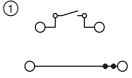
Notes:

[1]) For additional accessories and technical data, see page 30.

① 



20 A, knife disconnect terminal block

① 



24 A, double-level terminal block with disconnect knife

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**57.8**	**49.1 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	16 / -	-
Nominal current / cross section	[A] / [mm²]	-			

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**UT 2,5-MT**	①	**3046362**	50
	blue	**UT 2,5-MT BU**	①	**3046553**	50
With test socket screws	gray	**UT 2,5-MT-P/P**	①	**3046375**	50
	blue	**UT 2,5-MT P/P BU**	①	**3046566**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 2,5/4-TWIN**	**3047141**	50
Spacer plate	gray			

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**69.9**	**65 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	-	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	16	-	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5 (disconnect level)			

Ordering data

Type		Order No.	Pcs. / Pkt.
UTTB 2,5-MT-P/P	①	**3044640**	50
UTTB 2,5-MT-P/P BU	①	**3044641**	50

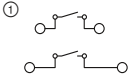
Accessories[1])

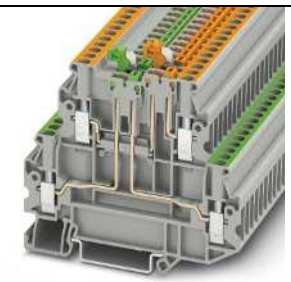
D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 30.

① 



16 A, double-level terminal block with a disconnect knife per level, test socket screw

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**80.1**	**65 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.14 - 4**	**26-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	-	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**UTT 2,5-2MT-P/P**	①	**3044670**	50
	blue	**UTT 2,5-2MT-P/P BU**	①	**3044671**	50

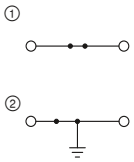
Accessories[1])

Cover, width 2.2 mm	gray	**D-UTT 2,5/4**	**3044676**	50
Spacer plate, compensates for level offsets, width 2.5 mm	gray	**DP-UTT 2,5/4**	**3044677**	50

Diode and LED terminal blocks

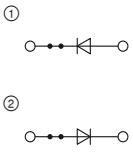
Notes:

[1]) For additional accessories and technical data, see page 30.





32 A, feed-through terminal block and ground terminal, same shape





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**57.8**	**47.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**800**	**0.14 - 4** / **26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 2,5-MTD**	①	**3064085**	50
	blue	**UT 2,5-MTD BU**	①	**3064108**	50
With test socket screws	gray	**UT 2,5-MTD P/P**	①	**3064098**	50
	blue	**UT 2,5-MTD P/P BU**	①	**3064111**	50
Ground terminal	green-yellow	**UT 2,5-MTD-PE**	②	**3064124**	50
Terminal block, for conducting direction see circuit diagram	gray				
	gray				

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 2,5/4-TWIN**	**3047141**	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**57.8**	**47.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		0.5	**800**	**0.14 - 4** / **26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	0.5 / -	0.5 / - / -

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 2,5-MTD-DIO/R-L	①	**3064140**	50
UT 2,5-MTD-DIO/L-R	②	**3064137**	50

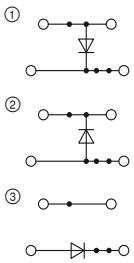
Accessories[1])

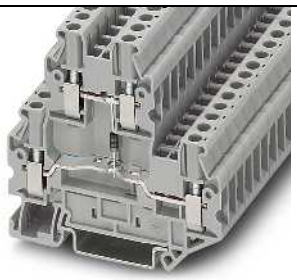
D-UT 2,5/4-TWIN	**3047141**	50

Diode and LED terminal blocks

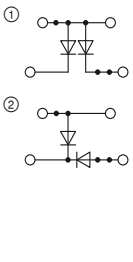
Notes:

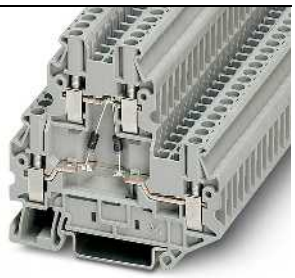
[1]) For additional accessories and technical data, see page 30.





28 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)





28 A, double-level terminal block with two 1N 4007 diodes (1300 V/0.5 A)

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**69.9**	**65 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	**500**	**0.14 - 4** / **26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	300 -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	1 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**UTTB 2,5-DIO/O-U**	①	**3046650**	50
	gray	**UTTB 2,5-DIO/U-O**	②	**3046663**	50
	gray	**UTTB 2,5-DIO/UL-UR**	③	**3046728**	50
	gray				
	gray				

Accessories[1])

Cover, width 2.2 mm	gray	**D-UTTB 2,5/4**	**3047293**	50
Spacer plate	gray	**DP-UTTB 2,5/4**	**3047303**	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**69.9**	**65 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	**500**	**0.14 - 4** / **26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	300 -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	1 / - / -

Ordering data

Type		Order No.	Pcs. / Pkt.
UTTB 2,5-2DIO/O-UL/O-UR	①	**3046689**	50
UTTB 2,5-2DIO/O-UL/UR-UL	②	**3046676**	50

Accessories[1])

D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50

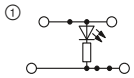
2.5 mm² UT... screw connection terminal blocks

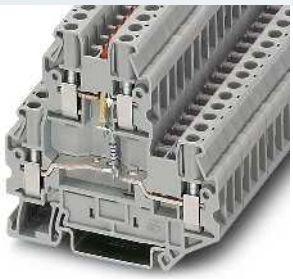
Diode and LED terminal blocks

Notes:

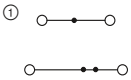
[1]) For additional accessories and technical data, see page 30.

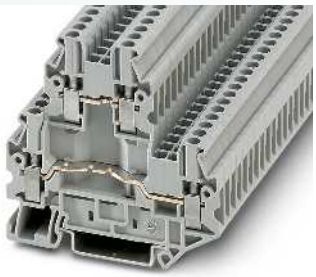
[2]) The voltage is determined by the light indicator version selected.





28 A, double-level terminal block with LED display





28 A, double-level terminal block for soldering in components

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**5.2**	**69.9**	**65 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	28	**24[2])**	**0.14 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	24[2])	600	24	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**5.2**	**69.9**	**65 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	28	**500**	**0.14 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, with LED for 12 - 30 V DC, 0.7 - 2.4 mA	gray	**UTTB 2,5-LA 24 RD**	①	**3046692**	50
for 30 - 60 V DC, 0.8 - 1.8 mA	gray	**UTTB 2,5-LA 60 RD**	①	**3046702**	50
for 110 - 250 V AC/DC, 0.1 - 0.5 mA	gray	**UTTB 2,5-LA 230**	①	**3046715**	50
Terminal block, component can be soldered in	gray				

Ordering data

Type		Order No.	Pcs. / Pkt.
UTTB 2,5-BE	①	**3046744**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UTTB 2,5/4**	**3047293**	50
Spacer plate	gray	**DP-UTTB 2,5/4**	**3047303**	50

Accessories[1])

D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50

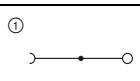
Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 30.

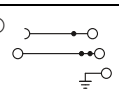
[2]) 3-pos. termination block.

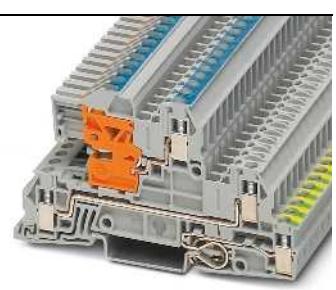
Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products





24 A, neutral disconnect terminal block





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**5.2**	**55**	**47.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**250**	**0.14 - 4**	**-**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	250	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	-	-	-
Rated cross section [mm²]	2.5			
Cross section range AWG	26 - 12	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
2 conductors (of the same type) [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30[2])	**400**	**0.2 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	-	-
Nominal current / cross section [A] / [mm²]	24 / 4	20	-	-
Rated cross section [mm²]	4			
Cross section range AWG	24 - 12	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	blue	**UTN 2,5**	①	**3245011**	50
	gray				

Ordering data

Type		Order No.	Pcs. / Pkt.
UTI 2,5-PE/L/NT	①	**3076028**	50

Accessories[1])

Cover, width 2.2 mm	blue	**D-UTN 2,5/10**	**3245079**	50

Accessories[1])

D-UTI/3	**3076036**	50

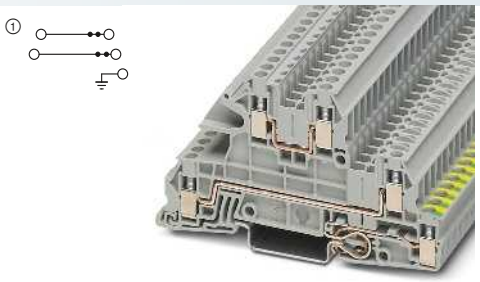
Installation terminal blocks

Notes:

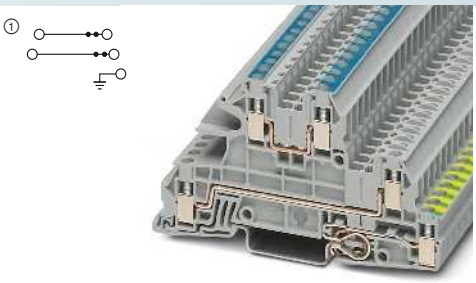
[1]) For additional accessories and technical data, see page 30.

[2]) 3-pos. termination block.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products



4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor, 1 x PE



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor, 1 x PE

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.2 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20	-	-
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UTI 2,5-PE/L/L**	①	**3076029**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UTI/3**	**3076036**	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**400**	**0.2 - 4**	**26-12**
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		400	300	-	-
		24 / 4	20	-	-
		4			
		24 - 12	-	-	-
		solid	stranded	Ferrule without/with plastic sleeve	
		0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
		0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Type		Order No.	Pcs. / Pkt.
UTI 2,5-PE/L/N	①	**3076030**	50

Accessories[1])

D-UTI/3	**3076036**	50

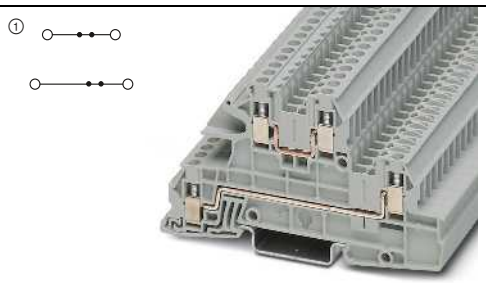
Installation terminal blocks

Notes:

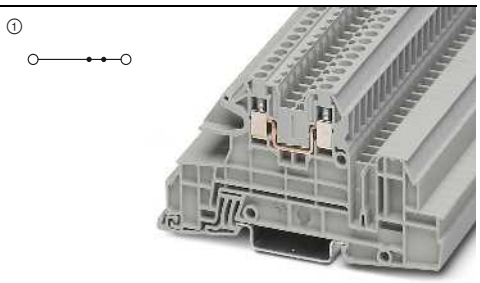
[1]) For additional accessories and technical data, see page 30.

[2]) 3-pos. termination block.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products



4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.2 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	20 / -	-
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UTI 2,5-L/L**	①	**3076031**	50
upper level blue	gray	**UTI 2,5-L/N**	①	**3076035**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UTI/3**	**3076036**	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.2 - 4**	**26-12**
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		400	300	300	-
		24 / 4	20 / -	20	-
		4			
		24 - 12	-	-	-
		solid	stranded	Ferrule without/with plastic sleeve	
		0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
		0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Type		Order No.	Pcs. / Pkt.
UTI 2,5-L	①	**3076034**	50

Accessories[1])

D-UTI/3	**3076036**	50

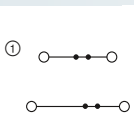
2.5 mm² UT... screw connection terminal blocks

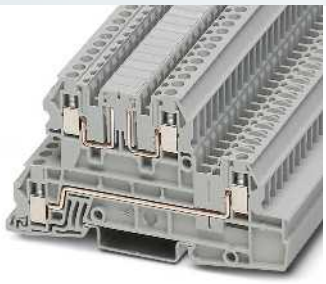
Installation terminal blocks

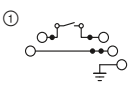
Notes:

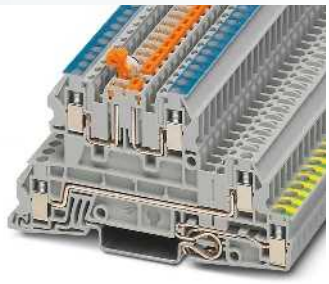
[1]) For additional accessories and technical data, see page 30.

[2]) 3-pos. termination block.









4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor

4 (4) mm², 24 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

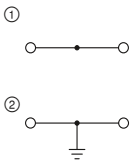
		Technical data[1])				Technical data[1])			
Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**		**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.2 - 4**	**26-12**	**24[2])**	**400**	**0.2 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-	400	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	20 / -	-	21 / 4	20	-	-
Rated cross section	[mm²]	4				4			
Cross section range	AWG	24 - 12	-	-	-	24 - 12	-	-	-
Nominal current / cross section	[A] / [mm²]	-				16 / 4 (disconnect level)			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Description	Color	Ordering data Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UTI 2,5-L/LB**	①	**3076033**	50
Cover, width 2.2 mm	gray	**D-UTI/3**		**3076036**	50

Ordering data Type		Order No.	Pcs. / Pkt.
UTI 2,5-PE/L/NTB	①	**3076032**	50
Accessories[1])			
D-UTI/3		**3076036**	50

Mini feed-through terminal blocks and ground terminals

Notes:
[1]) For additional accessories and technical data, see page 30.
For information on installation and using accessories for Ex applications, see page 602.





32 A, feed-through terminal block and ground terminal

Ex: SEV13ATEX0178U / IECEx SEV13.0012U

Technical data[1])

Dimensions		Width	Length	Height
	[mm]	**5.2**	**29.9**	**34 (NS 15)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**500**	**0.2 - 4** / **24-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	600 / 352
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 20.5 / 4
Cross section range	AWG	24 - 12	-	- / -
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**MUT 2,5**	①	**3248030**	50
	blue	**MUT 2,5 BU**	①	**3248031**	50
Ground terminal	green-yellow	**MUT 2,5-PE**	②	**3248032**	50

Accessories[1])

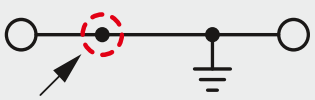
Cover, width 2.2 mm	gray	**D-MUT 2,5/4**	**3248033**	50

General technical data for 4 mm² UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	4			
Cross section range	AWG	26 - 10			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

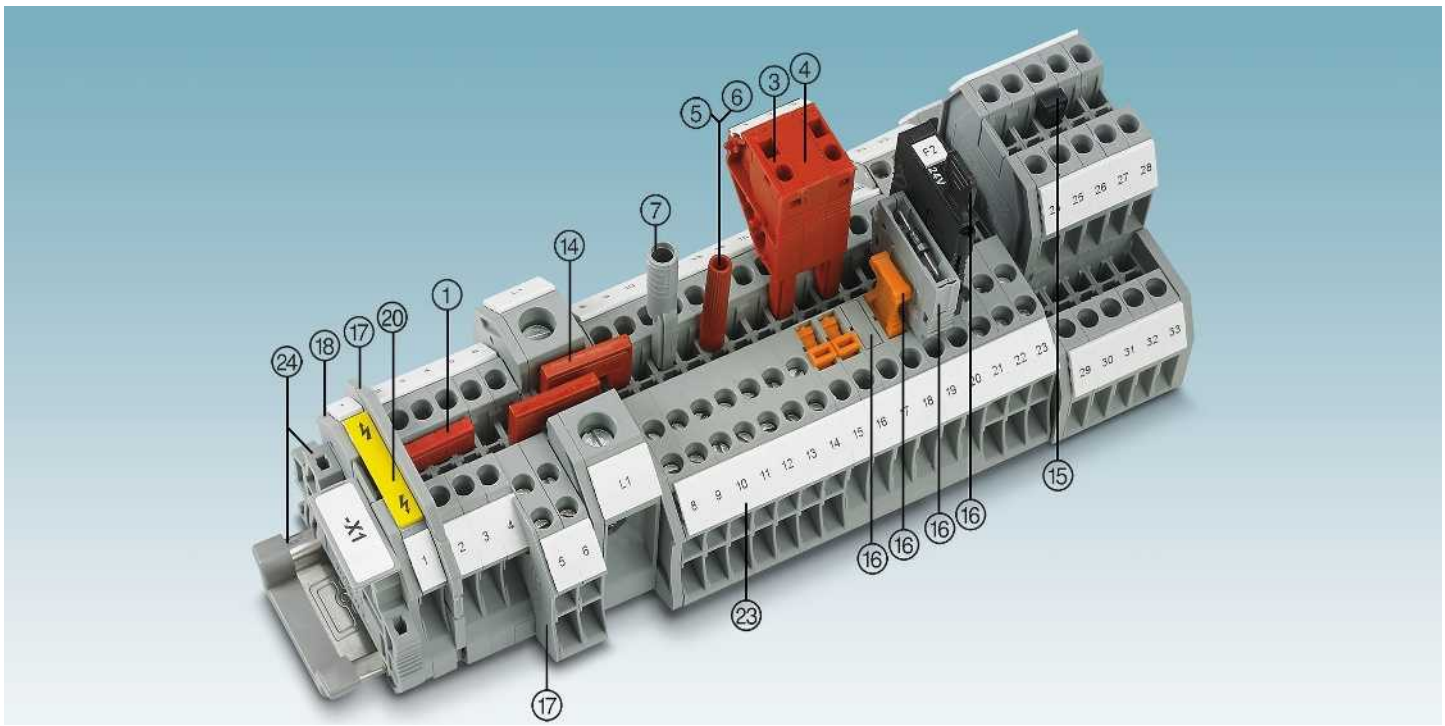


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 4 mm² UT... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-6**	**3030336**	50	**FBSR 2-6**	**3033715**	50
	3	red	**FBS 3-6**	**3030242**	50	**FBSR 3-6**	**3001594**	50
	4	red	**FBS 4-6**	**3030255**	50	**FBSR 4-6**	**3001595**	50
	5	red	**FBS 5-6**	**3030349**	50	**FBSR 5-6**	**3001596**	50
	10	red	**FBS 10-6**	**3030271**	10	**FBSR 10-6**	**3033716**	10
	20	red	**FBS 20-6**	**3030365**	10			
③ **Modular test plug**		red	**PS-6**	**3030996**	10			
④ **Spacer plate**		red	**DP PS-6**	**3036738**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10			

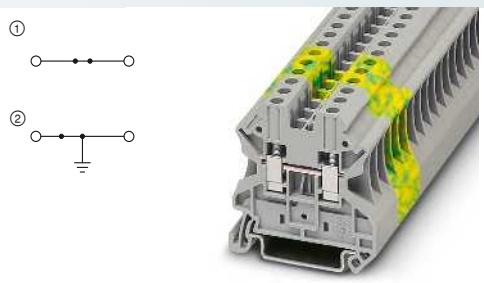
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS-PV ..., see page 341.**
⑯ **Fuse and function plugs for disconnect terminal blocks**	**For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉓ **Lateral groove marking**	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 40.

For information on installation and using accessories for Ex applications, see page 602.



41 A, feed-through terminal block and ground terminal

Ex: EAC Ex

KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

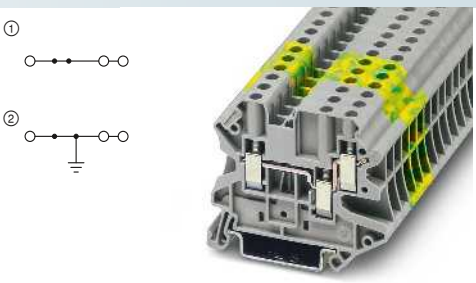
Dimensions				
	[mm]	Width	Length	Height
		6.2	47.7	47.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	1000	0.14 - 6 / 26-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 690
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 30 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 4**	①	**3044102**	50
	blue	**UT 4 BU**	①	**3044115**	50
Ground terminal	green-yellow	**UT 4-PE**	②	**3044128**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 2,5/10**	**3047028**	50



41 A, feed-through terminal block and ground terminal, 3 connections

Ex: EAC Ex

KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

		Width	Length	Height
		6.2	57.8	47.5 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	500	0.14 - 6 / 26-10
		32 (FBS) / 24 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		500	150	150 / 352
		32 / 4	30 / -	30 / - / 29 / 4

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-TWIN	①	**3044364**	50
UT 4-TWIN BU	①	**3044500**	50
UT 4-TWIN-PE	②	**3044380**	50

Accessories[1])

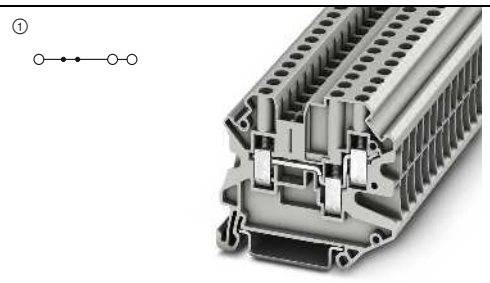
D-UT 2,5/4-TWIN	**3047141**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 40.

For information on installation and using accessories for Ex applications, see page 602.



39 A, 1000 V, feed-through terminal block, 3 connections

Ex:

SEV13ATEX0133U / IECEx SEV13.0004U

Technical data[1])

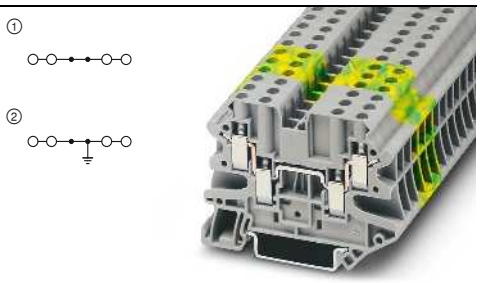
Dimensions				
	[mm]	Width	Length	Height
		6.2	57.8	50 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		39	1000	0.14 - 6 / 26-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / 27 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 4-TWIN HV**	①	**3000608**	50
	blue				
Ground terminal	green-yellow				

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 4-TWIN HV**	**3000710**	50



39 A, feed-through terminal block and ground terminal, 4 connections

Ex: EAC Ex

KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

		Width	Length	Height
		6.2	65.4	47.5 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		39	500	0.14 - 6 / 26-10
		32 (FBS) / 24 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		500	150	150 / 352
		32 / 4	30 / -	30 / - / 29 / 4

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-QUATTRO	①	**3044571**	50
UT 4-QUATTRO BU	①	**3044584**	50
UT 4-QUATTRO-PE	②	**3044597**	50

Accessories[1])

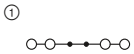
D-UT 2,5/4-QUATTRO	**3047170**	50

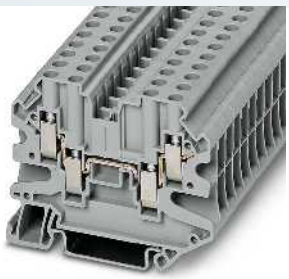
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 40.

For information on installation and using accessories for Ex applications, see page 602.





37 A, 1000 V, feed-through terminal block, 4 connections

Ex: SEV13ATEX0133U / IECEx SEV13.0004U

Technical data[1])

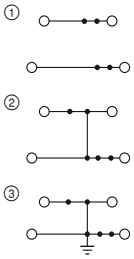
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**65.4**	**50 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		37	**1000**	**0.14 - 6**	**-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	550
Nominal current / cross section	[A] / [mm²]	32 / 4	-	-	27 / 4

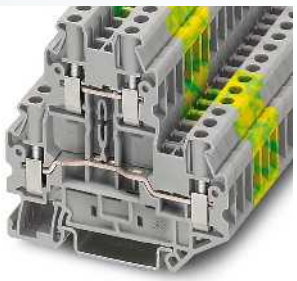
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 4-QUATTRO HV**	①	**3048823**	50
	gray	**UT 4-QUATTRO HV BU**	①	**3048836**	50
With potential distribution	gray				
Ground terminal	green-yellow				

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 4-QUATTRO HV**	**3048852**	50
Spacer plate	gray			





36 A, double-level terminal block and ground terminal

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

Width	Length	Height		
6.2	**69.9**	**65 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
36	**800**	**0.14 - 6**	**26-10**	
30 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	440	
30 / 4	30 / -	30 / -	25.5 / 4	

Ordering data

Type		Order No.	Pcs. / Pkt.
UTTB 4	①	**3044814**	50
UTTB 4 BU	①	**3044791**	50
UTTB 4-PV	②	**3044733**	50
UTTB 4-PE	③	**3044759**	50

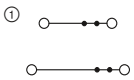
Accessories[1])

D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 40.





36 A, 1000 V, double-level terminal block, 2 connections top level

Technical data[1])

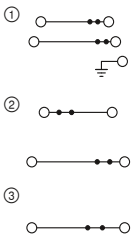
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**75.6**	**65 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		36	**1000**	**0.14 - 6**	**26-10**
Max. bridge current	[A]	30 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	30 / 4	30 / -	-	-

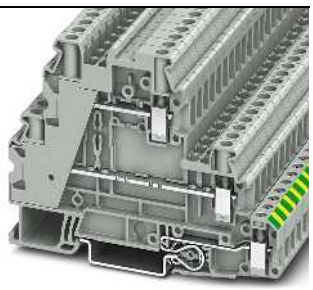
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UTTB 4 HV**	①	**3000610**	50
	gray				
	gray				
	gray				

Accessories[1])

Cover, width 2.2 mm	**D-UTTB 4 HV**	**3000709**	50





36 A, multi-level terminal block with PE foot

Technical data[1])

Width	Length	Height		
6.2	**92.7**	**61.7 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
36	**500**	**0.14 - 6**	**26-10**	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	-	-	
30 / 4	16	-	-	

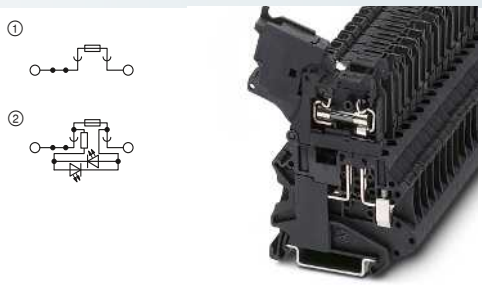
Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-PE/L/L	①	**3214360**	50
UT 4-PE/L/N	①	**3214361**	50
UT 4-L/L	②	**3214362**	50
UT 4-L	③	**3214363**	50

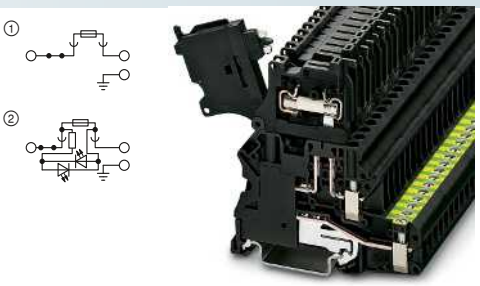
Accessories[1])

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

Notes:
1) For additional accessories and technical data, see page 40.
2) If the fuse is faulty, the downstream circuit is not off load.
3) For max. power dissipation, see page 616.
4) The current is determined by the fuse used, the voltage by the light indicator.
For lever marking, please use marking material with a 5.2 mm pitch.



10 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses



6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses, with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**57.8**	**73 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		10[3])	**500[4])**	**0.14 - 6 / 26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[4])	600	600 / -
Nominal current / cross section	[A] / [mm²]	6.3 / 1	6.3 / -	6.3 / - / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**70.8**	**73 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3[3])	**500[4])**	**0.14 - 6 / 26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[4])	600	600 / -
Nominal current / cross section	[A] / [mm²]	6.3 / 1	10	10 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	black	**UT 4-HESI (5X20)**	①	**3046032**	50
with LED display for 12 – 30 V AC/DC[2])	black	**UT 4-HESILED 24 (5X20)**	②	**3046090**	50
for 12 ... 60 V AC/DC [2])	black	**UT 4-HESILED 24 (5X20) 120KOHM**	②	**3248005**	50
for 30 – 60 V AC/DC[2])	black	**UT 4-HESILED 60 (5X20)**	②	**3046126**	50
for 110 – 250 V AC/DC[2])	black	**UT 4-HESILA 250 (5X20)**	②	**3046100**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-PE/HESI (5X20)	①	**3073995**	50
UT 4-PE/HESI LED 24 (5X20)	②	**3070053**	50
UT 4-PE/HESILED 60 (5X20)	②	**3070066**	50
UT 4-PE/HESI LA 250 (5X20)	②	**3070079**	50

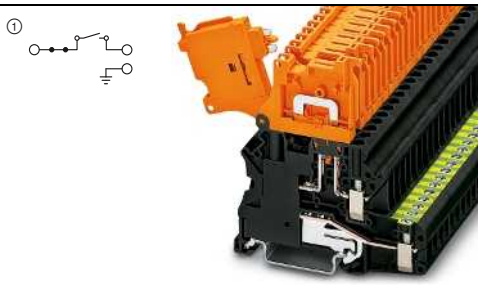
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

– The lever-type disconnect terminal blocks are the same shape as the respective lever-type fuse terminal blocks

Notes:
1) For additional accessories and technical data, see page 40.
For lever marking, please use marking material with a 5.2 mm pitch.



20 A, lever-type disconnect terminal block, same shape



20 A, lever-type disconnect terminal block, same shape, with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**57.8**	**73 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.14 - 6 / 26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / - / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**70.8**	**73 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.14 - 6 / 26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16	16 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	black/orange	**UT 4-HEDI**	①	**3046249**	50
With test socket screws	black/orange	**UT 4-HEDI-P/P**	①	**3046252**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-PE/HEDI	①	**3074004**	50

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

Notes:

[1]) For additional accessories and technical data, see page 40.

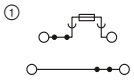
[2]) If the fuse is faulty, the downstream circuit is not off load.

[3]) For max. power dissipation, see page 616.

[4]) The current is determined by the fuse used.

For lever marking, please use marking material with a 5.2 mm pitch.

For information on installation and using accessories for Ex applications, see page 602.





36 A, multi-level terminal block, safety lever

cULus
Ex: cULus

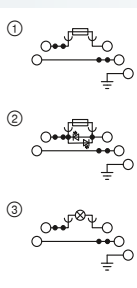
Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	92.7	88.9 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36[3])	500[3])	0.14 - 6 / 26-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	300	- / -
Nominal current / cross section	[A] / [mm²]	28 / 4	16	- / -
Nominal current / cross section	[A] / [mm²]	6.3[4]) / 1 (disconnect level)		

Ordering data

Description	Color
Fuse terminal block	black
	black
With light indicator for 12 - 30 V DC[2])	black
for 30 – 60 V AC/DC[2])	black
for 110 – 250 V AC/DC[2])	black

Type		Order No.	Pcs. / Pkt.
UT 4-L/HESI (5X20)	①	**3214325**	50





36 A, multi-level terminal block, safety lever with LED display, PE foot

cULus
Ex: cULus

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	92.7	88.9 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36[3])	500[3])	0.14 - 6 / 26-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	300	- / -
Nominal current / cross section	[A] / [mm²]	28 / 4	16	- / -
Nominal current / cross section	[A] / [mm²]	6.3[4]) / 1 (disconnect level)		

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-PE/L/HESI (5X20)	①	**3214320**	50
UT 4-PE/L/HESILED 24 (5X20)	②	**3214321**	50
UT 4-PE/L/HESILED 60 (5X20)	②	**3214322**	50
UT 4-PE/L/HESILED 250 (5X20)	③	**3214323**	50

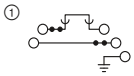
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

Notes:

[1]) For additional accessories and technical data, see page 40.

[2]) Current and voltage are determined by the plug used.

For lever marking, please use marking material with a 5.2 mm pitch.





36 A, multi-level lever-type disconnect terminal block, PE foot, same shape

cULus

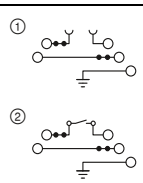
Technical data[1])

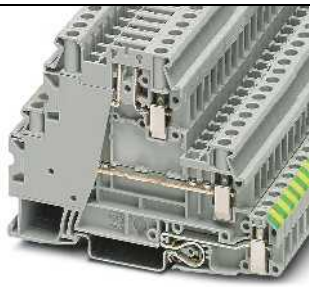
Dimensions				
	[mm]	Width	Length	Height
		6.2	92.7	88.9 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	500	0.14 - 6 / 26-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	28 / 4	16	- / -
Nominal current / cross section	[A] / [mm²]	20 / 1 (disconnect level)		

Ordering data

Description	Color
Terminal block	black
	gray
Knife disconnect terminal block	gray

Type		Order No.	Pcs. / Pkt.
UT 4-PE/L/HEDI	①	**3214324**	50





36 A, multi-level terminal block with disconnect zone, PE foot

cUL

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	92.7	61.7 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	500	0.14 - 6 / -
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	28 / 4	-	- / -
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5 (disconnect level)		

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-PE/L/TG	①	**3214365**	50
UT 4-PE/L/MT	②	**3214364**	50

Disconnect and knife disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 40.
2) If the fuse is faulty, the downstream circuit is not off load.
3) Current and voltage are determined by the plug used.
Detailed information and data sheets regarding terminal blocks in the Ex area are available in the product area on our website at www.phoenixcontact.net/products and in IECEx Certificate of Conformity IECEx UL 13.0007U and in UL file E192998.
Only the fuse plugs listed may be used.
For information on installation and using accessories for Ex applications, see page 602.

① 



20 A, disconnect terminal block

① 



20 A, disconnect terminal block, for Ex nA

Ex: IECEx UL 13.0007U

Technical data[1])				
Dimensions				
	[mm]	Width	Length	Height
		6.2	**57.8**	**47.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20[3])	**500[3])**	**0.14 - 6** / **26-10**
Max. bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	600	600 / -
Nominal current / cross section	[A] / [mm²]	20[3]) / 2.5	16 / -	16 / - / -

Technical data[1])				
Dimensions				
	[mm]	Width	Length	Height
		6.2	**57.8**	**47.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20[3])	**500[3])**	**0.14 - 6** / **-**
Max. bridge current	[A]	20 (FBS)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	-	- / 250
Nominal current / cross section	[A] / [mm²]	20[3]) / 2.5	-	- / 6.3 / 4

Ordering data				
Description	Color	**Type**	**Order No.**	Pcs. / Pkt.
Terminal block	gray	**UT 4-TG** ①	**3046142**	50
	blue	**UT 4-TG BU**	**3073283**	50
With test socket screws	gray	**UT 4-TG-P/P** ①	**3046168**	50
	blue	**UT 4-TG-P/P BU**	**3073296**	50

Ordering data			
Type	**Order No.**	Pcs. / Pkt.	
UT 4-TG-EX ①	**3046143**	50	
UT 4-TG-P/P-EX ①	**3046169**	50	

Accessories[1])				
Fuse plug, width 6.2 mm²	black			
With light indicator for 12 - 30 V DC	black			
for 30 – 60 V AC/DC	black			
for 110 – 250 V AC/DC	black			

Accessories[1])		
P-FU 5X20-EX	**3036807**	10
P-FU 5X20 LED 24-EX	**3036821**	10
P-FU 5X20 LED 60-EX	**3036823**	10
P-FU 5X20 LA 250-EX	**3036836**	10

Disconnect and knife disconnect terminal blocks

Notes:

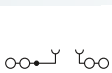
1) For additional accessories and technical data, see page 40.

2) Current and voltage are determined by the plug used.





20 A, disconnect terminal block, 3 connections





20 A, disconnect terminal block, 4 connections

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data1)

Width	Length	Height	
6.2	**65.4**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500²)**	**0.14 - 6**	**26-10**
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
500²)	300	300	-
20²) / 2.5	20 / -	16 / -	-

Technical data1)

Width	Length	Height	
6.2	**65.4**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500²)**	**0.14 - 6**	**26-10**
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
500²)	300	300	-
20²) / 2.5	20 / -	16 / -	-

Description	Color
Terminal block	gray
	blue
With test socket screws	gray
	blue

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-TWIN-TG	1	**3046595**	50
UT 4-TWIN-TG BU	1	**3073034**	50
UT 4-TWIN-TG P/P	1	**3046605**	50
UT 4-TWIN-TG P/P BU	1	**3073047**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-QUATTRO-TG	1	**3064027**	50
UT 4-QUATTRO-TG BU	1	**3073076**	50
UT 4-QUATTRO-TG P/P	1	**3064030**	50
UT 4-QUATTRO-TG P/P BU	1	**3073089**	50

Accessories1)

Cover, width 2.2 mm	gray	**D-UT 2,5/4-QUATTRO**	**3047170**	50

Accessories1)

D-UT 2,5/4-QUATTRO	**3047170**	50

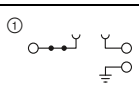
Disconnect and knife disconnect terminal blocks

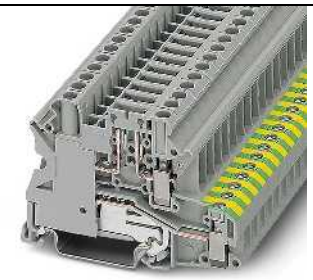
Notes:

1) For additional accessories and technical data, see page 40.

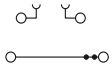
2) Current and voltage are determined by the plug used.

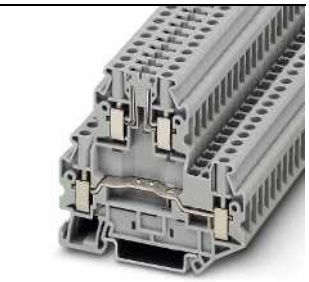
3) Lower level





20 A, disconnect terminal block with PE foot





38 A, double-level terminal block with disconnect zone

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Nominal current / cross section	[A] / [mm²]

Technical data1)

Width	Length	Height	
6.2	**70.8**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500**	**0.14 - 6**	**-**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	-	600	-
20 / 2.5	-	16 / -	-
-			

Technical data1)

Width	Length	Height	
6.2	**69.9**	**65 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
38³)	**500²)**	**0.14 - 6**	**26-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500²)	600	600	-
30 / 4	16	5	-
20²) / 2.5 (disconnect level)			

Description	Color
Terminal block	gray
With test socket screws	gray
Disconnect terminal block	gray

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-PE/TG	1	**3070024**	50
UT 4-PE/TG P/P	1	**3070037**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
UTTB 4-TG	1	**3044720**	50

Accessories1)

Cover, width 2.2 mm	gray			
Spacer plate	gray			

Accessories1)

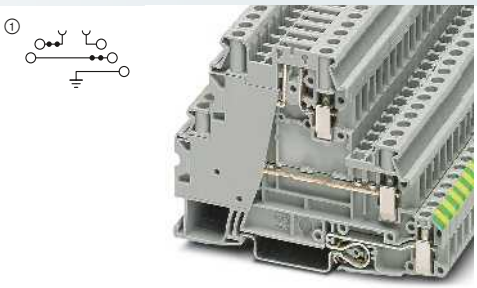
D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 40.

[2]) Current and voltage are determined by the plug used.



36 A, multi-level terminal block with disconnect zone, PE foot



20 A, knife disconnect terminal block

Technical data[1])							
Dimensions		Width	Length	Height			
	[mm]	**6.2**	**92.7**	**61.7 (NS 35/7,5)**			
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)		
		36	**500**	**0.14 - 6**	**-**		
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)					
Rated data		IEC	UL / CUL	CSA	Ex		
Rated voltage	[V]	500	-	-	-		
Nominal current / cross section	[A] / [mm²]	28 / 4	-	-	-		
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5 (disconnect level)					

Technical data[1])							
Width	Length	Height					
6.2	**57.8**	**49.1 (NS 35/7,5)**					
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)				
20	**500**	**0.14 - 6**	**26-10**				
20 (FBS) / 20 (FBSR)							
IEC	UL / CUL	CSA	Ex				
500	600	600	-				
20 / 2.5	16 / -	16 / -	-				
-							

Ordering data							
Description	Color	**Type**		**Order No.**	Pcs. / Pkt.		
Terminal block	gray	**UT 4-PE/L/TG**	①	**3214365**	50		
	gray						
	blue						
With test socket screws	gray						
	blue						

Ordering data				
Type		**Order No.**	Pcs. / Pkt.	
UT 4-MT	①	**3046139**	50	
UT 4-MT BU	①	**3046278**	50	
UT 4-MT-P/P	①	**3046171**	50	
UT 4-MT-P/P BU	①	**3046265**	50	

Disconnect and knife disconnect terminal blocks

Notes:

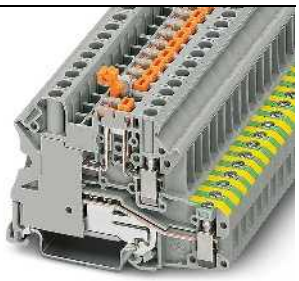
[1]) For additional accessories and technical data, see page 40.

Detailed information and data sheets regarding terminal blocks in the Ex area are available in the product area on our website at www.phoenixcontact.net/products and in IECEx Certificate of Conformity IECEx UL 13.0007U and in UL file E192998.

For information on installation and using accessories for Ex applications, see page 602.



20 A, knife disconnect terminal block for Ex nA



20 A, knife disconnect terminal block with PE foot

Ex:
IECEx UL 13.0007U

Technical data[1])							
Dimensions		Width	Length	Height			
	[mm]	**6.2**	**57.8**	**49.1 (NS 35/7,5)**			
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)		
		20	**500**	**0.14 - 6**	**-**		
Max. bridge current	[A]	20 (FBS)					
Rated data		IEC	UL / CUL	CSA	Ex		
Rated voltage	[V]	500	-	-	500		
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	-	16 / 4		
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve			
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-		

Technical data[1])							
Width	Length	Height					
6.2	**70.8**	**49.1 (NS 35/7,5)**					
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)				
20	**500**	**0.14 - 6**	**26-10**				
32 (FBS) / 24 (FBSR)							
IEC	UL / CUL	CSA	Ex				
500	-	600	-				
20 / 2.5	-	16 / -	-				
solid	stranded	Ferrule without/with plastic sleeve					
0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	-				

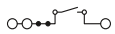
Ordering data							
Description	Color	**Type**		**Order No.**	Pcs. / Pkt.		
Terminal block	gray	**UT 4-MT-EX**	①	**3046141**	50		
With test socket screws	gray	**UT 4-MT-P/P-EX**	①	**3046173**	50		

Ordering data				
Type		**Order No.**	Pcs. / Pkt.	
UT 4-PE/MT	①	**3070011**	50	
UT 4-PE/MT P/P	①	**3046140**	50	

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 40.

① 

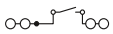


20 A, knife disconnect terminal block, 3 connections

Technical data[1])			
Dimensions			
Width	Length	Height	
6.2	**65.4**	**49.1 (NS 35/7,5)**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500**	**0.14 - 6**	**26-10**
Max. bridge current	[A]	20 (FBS) / 20 (FBSR)	
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	16 / -	-

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 4-TWIN-MT** ①	**3046003**	50
	blue	**UT 4-TWIN-MT BU** ①	**3073018**	50
With test socket screws	gray	**UT 4-TWIN-MT P/P** ①	**3064014**	50
	blue	**UT 4-TWIN-MT P/P BU** ①	**3073021**	50

Accessories[1])			
		D-UT 2,5/4-QUATTRO	**3047170**	50
Cover, width 2.2 mm	gray			

① 



20 A, knife disconnect terminal block, 4 connections

Technical data[1])			
Width	Length	Height	
6.2	**65.4**	**49.1 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500**	**0.14 - 6**	**26-10**
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	-
20 / 2.5	20 / -	16 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-QUATTRO-MT ①	**3064043**	50	
UT 4-QUATTRO-MT BU ①	**3073050**	50	
UT 4-QUATTRO-MT P/P ①	**3064056**	50	
UT 4-QUATTRO-MT P/P BU ①	**3073063**	50	

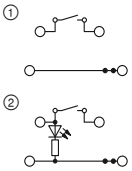
Accessories[1])		
D-UT 2,5/4-QUATTRO	**3047170**	50

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 40.

[2]) Lower level

① ② 

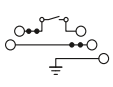


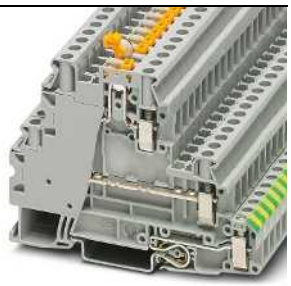
38 A, double-level terminal block with knife disconnect zone

Technical data[1])			
Dimensions			
Width	Length	Height	
6.2	**69.9**	**65 (NS 35/7,5)**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
38[2])	**500**	**0.14 - 6**	**26-10**
Max. bridge current	[A]	36 (FBS) / 24 (FBSR)	
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	30 / 4	16	5	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5 (disconnect level)			

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**UTTB 4-MT** ①	**3044775**	50
With test socket screws	gray	**UTTB 4-MT P/P** ①	**3044762**	50
for 12 – 30 V DC, 0.7 – 2.4 mA	gray	**UTTB 4-MT P/P LA 24 RD/O-U** ②	**3046773**	50

Accessories[1])			
		D-UTTB 2,5/4	**3047293**	50
Cover, width 2.2 mm	gray			

① 



36 A, multi-level terminal block with knife disconnect zone, PE foot

Technical data[1])			
Width	Length	Height	
6.2	**92.7**	**61.7 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
36[2])	**500**	**0.14 - 6**	**26-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	-	-
28 / 4	16	-	-
20 / 2.5 (disconnect level)			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-PE/L/MT ①	**3214364**	50	

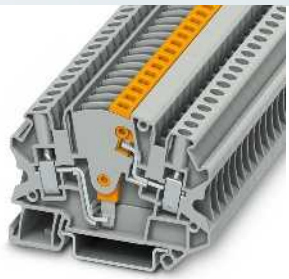
Accessories[1])		

Test disconnect terminal blocks

Notes:

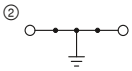
[1]) For additional accessories and technical data, see page 40.

①



28 A, test disconnect terminal block

①

② 



28 A, feed-through terminal block and ground terminal, same shape

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**66**	**47.7 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	**500**	**0.14 - 6** / **26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	28 / 4	25 / -	25 / - / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**66**	**47.7 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**500**	**0.14 - 6** / **26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	32 / 4	25 / -	25 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Test disconnect terminal block	gray	**UTME 4**	①	**3047452**	50
With test socket screws	gray	**UTME 4-P/P**	①	**3047453**	50
	blue	**UTME 4-P/P BU**	①	**3047454**	50
Ground terminal	green-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
UTMED 4	①	**3047465**	50
UTMED 4-PE	②	**3047478**	50

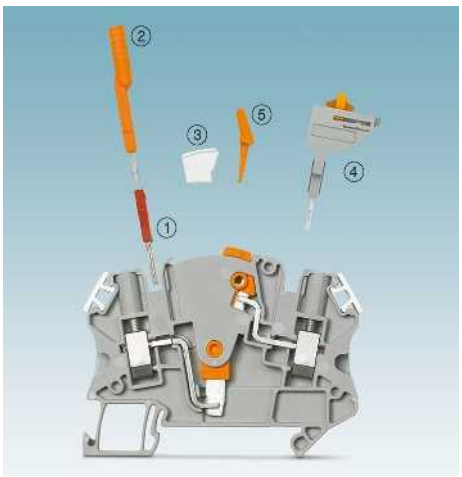
Accessories[1])

Cover, width 2.2 mm	gray	**D-UTME 4**	**3047491**	10

Accessories[1])

D-UTME 4	**3047491**	10

Supplementary accessories for UTME 4 test disconnect terminal blocks



– Only two UTME 4 test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... jumper for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
④ SB-ME... switching jumper
⑤ C-ME 4/2 connection bridge

Ordering data

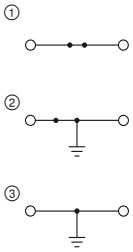
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	**PAI-4-FIX-5/6 OG**	**3035974**	10
	1	yellow	**PAI-4-FIX-5/6 YE**	**3035977**	10
	1	green	**PAI-4-FIX-5/6 GN**	**3035978**	10
	1	violet	**PAI-4-FIX-5/6 VT**	**3035979**	10
	1	black	**PAI-4-FIX-5/6 BK**	**3035980**	10
	1	blue	**PAI-4-FIX-5/6 BU**	**3035975**	10
	1	red	**PAI-4-FIX-5/6 RD**	**3035976**	10
	1	gray	**PAI-4-FIX-5/6 GY**	**3035982**	10
	1	brown	**PAI-4-FIX-5/6 BN**	**3035981**	10
Switching lock, plug-in		white	**S-ME 4**	**3035758**	10
Switching jumper, plug-in	2	gray/orange	**SB-ME 2-6**	**3035755**	10
	3	gray/orange	**SB-ME 3-6**	**3035756**	10
	4	gray/orange	**SB-ME 4-6**	**3035757**	10
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange	**C-ME 4/2**	**3035759**	10
	3	orange	**C-ME 4/3**	**3035760**	10

Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 40.

For information on installation and using accessories for Ex applications, see page 602.





41 A, feed-through terminal block and ground terminal, same shape

Ex: EAC Ex

KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

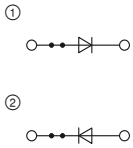
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**57.8**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**800**	**0.14 - 6**	**26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	690
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	29 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 4-MTD**	①	**3046184**	50
	blue	**UT 4-MTD BU**	①	**3046197**	50
Ground terminal, with snap-on foot	green-yellow	**UT 4-MTD-PE**	②	**3046223**	50
With screw foot	green-yellow	**UT 4-MTD-PE/S**	③	**3046207**	50
Terminal block, for conducting direction see circuit diagram	gray				
	gray				

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 2,5/4-TWIN**	**3047141**	50





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**57.8**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**800**	**0.14 - 6**	**26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	0.5 / -	1 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-MTD-DIO/L-R	①	**3046210**	50
UT 4-MTD-DIO/R-L	②	**3046236**	50

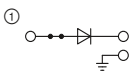
Accessories[1])

D-UT 2,5/4-TWIN	**3047141**	50

Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 40.





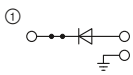
0.5 A, diode terminal block, 1N 4007 (1300 V/ 0.5 A), conducting direction: from left to right

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**70.8**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**500**	**0.14 - 6**	**26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	0.5	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**UT 4-PE/L-DIO/L-R P/P**	①	**3046834**	50





0.5 A, diode terminal block, 1N 4007 (1300 V/ 0.5 A), conducting direction: from right to left

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**70.8**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**500**	**0.14 - 6**	**26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	0.5	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 4-PE/L-DIO/R-L P/P	①	**3046235**	50

Installation terminal blocks

Notes:

1) For additional accessories and technical data, see page 40.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products

①



32 A, neutral disconnect terminal block

EAC

Technical data1)

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**55**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**250**	**0.14 - 6**	**-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.25 - 4	0.25 - 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Neutral disconnect terminal block	blue	**UTN 4**	①	**3245024**	50

Accessories1)

Cover, width 2.2 mm	blue	**D-UTN 2,5/10**	**3245079**	50
Support bracket	blue	**AB-UTN 2,5/10**	**3245082**	50

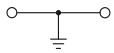
Mini feed-through terminal blocks and ground terminals

Notes:

1) For additional accessories and technical data, see page 40.

For information on installation and using accessories for Ex applications, see page 602.

①

② 



41 A, feed-through terminal block and ground terminal

Ex:
SEV13ATEX0178U / IECEx SEV13.0012U

Technical data1)

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**29.9**	**34 (NS 15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**500**	**0.2 - 6**	**24-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	600	352
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	27.5 / 6
Cross section range	AWG	24 - 10	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**MUT 4**	①	**3248035**	50
	blue	**MUT 4 BU**	①	**3248036**	50
Ground terminal	green-yellow	**MUT 4-PE**	②	**3248037**	50

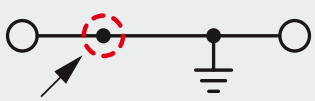
Accessories1)

Cover, width 2.2 mm	gray	**D-MUT 2,5/4**	**3248033**	50

General technical data for 6 mm² UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	6			
Cross section range	AWG	24 - 8			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 4
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

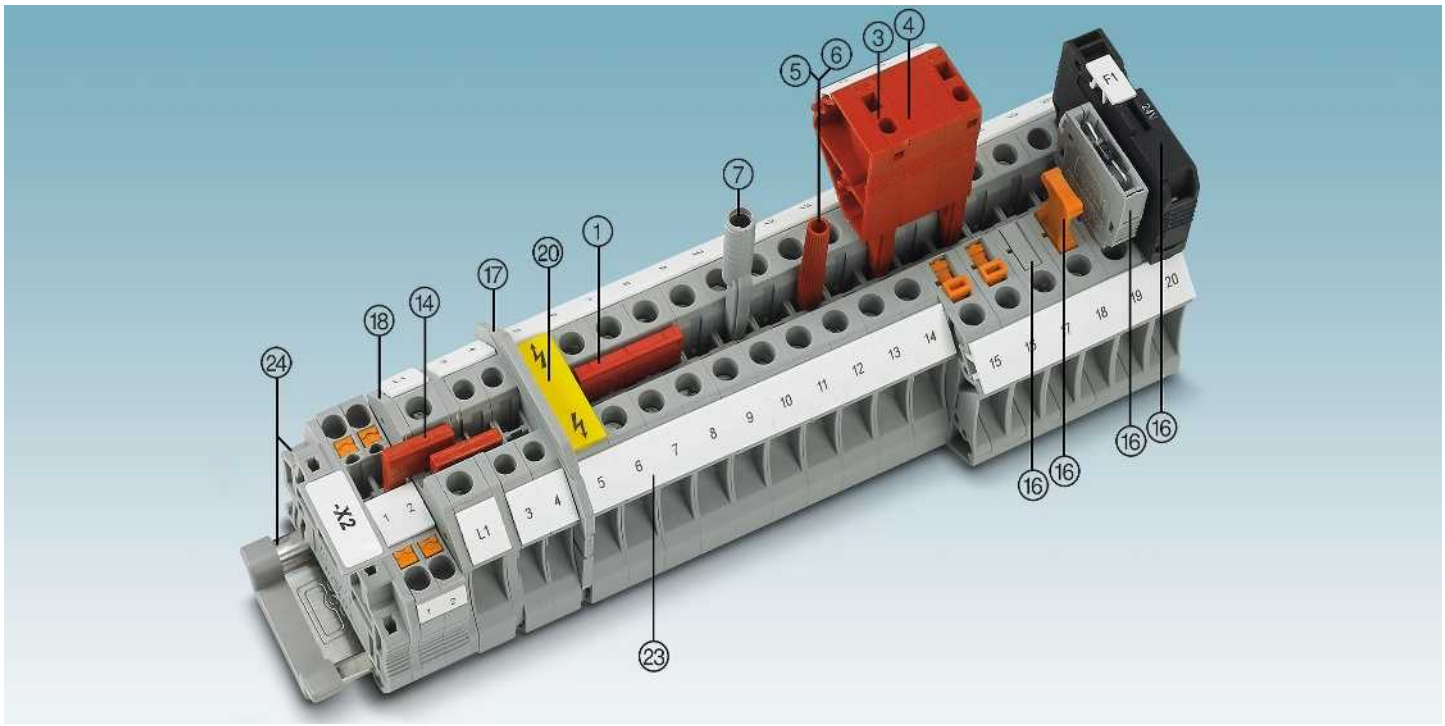


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 6 mm² UT... screw connection terminal blocks

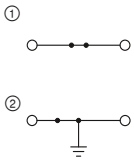


Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-8**	**3030284**	10	**FBSR 2-8**	**3033808**	10
	3	red	**FBS 3-8**	**3030297**	10	**FBSR 3-8**	**3001597**	10
	4	red	**FBS 4-8**	**3030307**	10	**FBSR 4-8**	**3000585**	10
	5	red	**FBS 5-8**	**3030310**	10	**FBSR 5-8**	**3033809**	10
	10	red	**FBS 10-8**	**3030323**	10	**FBSR 10-8**	**3001599**	10
	16	red				**FBSR 16-8**	**3033816**	10
③ **Modular test plug**		red	**PS-8**	**3031005**	10			
④ **Spacer plate**		red	**DP PS-8**	**3036741**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
Screwdriver			**SZS 1,0X4,0 VDE**	**1205066**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑯ **Fuse and function plugs for disconnect terminal blocks**	**For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉓ **Lateral groove marking**	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through terminal blocks

Notes:
1) For additional accessories and technical data, see page 52.
For information on installation and using accessories for Ex applications, see page 602.





57 A, feed-through terminal block and ground terminal

Ex: EAC Ex

KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		8.2	**47.7**	**47.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**1000**	**0.2 - 10** / **24-8**
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 690
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / - / 40 / 6

Ordering data

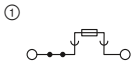
Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 6**	①	**3044131**	50
	blue	**UT 6 BU**	①	**3044144**	50
Ground terminal	green-yellow	**UT 6-PE**	②	**3044157**	50

Accessories1)

Cover, width 2.2 mm	gray	**D-UT 2,5/10**	**3047028**	50

Fuse terminal blocks

Notes:
1) For additional accessories and technical data, see page 52.
2) If the fuse is faulty, the downstream circuit is not off load.
3) For max. power dissipation, see page 616.
4) The current is determined by the fuse used, the voltage by the light indicator.
As disconnect terminal block 500 V
For lever marking, please use marking material with 6.2 mm pitch.





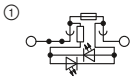
10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		8.2	**57.8**	**73 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		10³)	**630⁴)**	**0.2 - 10** / **24-8**
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	630⁴)	600	600 / -
Nominal current / cross section	[A] / [mm²]	10⁴) / 1.5	10 / -	10 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	black	**UT 6-HESI (6,3X32)**	①	**3046401**	50
With LED for 12 – 30 V AC/DC, 0.31 – 0.95 mA²)	black				
for 30 – 60 V AC/DC, 0.40 – 0.86 mA²)	black				
110 – 250 V AC/DC, 0.41 – 0.96 mA²)	black				





10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses, with LED display

Technical data1)

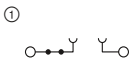
Width	Length	Height	
8.2	**57.8**	**73 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10³)	**24⁴)**	**0.2 - 10**	**24-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
24⁴)	600	600	-
10⁴) / 1.5	10 / -	10 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 6-HESILED 24 (6,3X32)	①	**3046414**	50
UT 6-HESILED 60 (6,3X32)	①	**3046427**	50
UT 6-HESILA 250 (6,3X32)	①	**3046430**	50

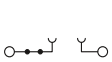
Disconnect terminal blocks

Notes:
[1]) For additional accessories and technical data, see page 52.
[2]) If the fuse is faulty, the downstream circuit is not off load.
[3]) Current and voltage are determined by the plug used.
Detailed information and data sheets regarding terminal blocks in the Ex area are available in the product area on our website at www.phoenixcontact.net/products and in IECEx Certificate of Conformity IECEx UL 13.0007U and in UL file E192998.
Only the fuse plugs listed may be used.
For information on installation and using accessories for Ex applications, see page 602.

① 



20 A, disconnect terminal block

① 



20 A, disconnect terminal block for Ex nA

EAC

Ex: cULus

IECEx UL 13.0007U

Technical data[1])				
Dimensions				
	[mm]	Width	Length	Height
		8.2	**57.8**	**47.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20[3])	**500[3])**	**0.2 - 10** / **24-8**
Max. bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	600	600 / -
Nominal current / cross section	[A] / [mm²]	20[3]) / 2.5	20 / -	16 / - / -

Ordering data				
Description	Color	**Type**	**Order No.**	Pcs. / Pkt.
Terminal block	gray	**UT 6-TG** ①	**3046485**	50
	blue	**UT 6-TG BU** ①	**3073856**	50
With test socket screws	gray	**UT 6-TG P/P** ①	**3073869**	50
	blue	**UT 6-TG P/P BU** ①	**3073872**	50

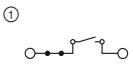
Accessories[1])				
Fuse plug, width 8.2 mm²	black	**P-FU 6,3X32-EX**	**3046499**	10
With LED for 12 – 30 V DC, 0.35 – 0.95 mA	black	**P-FU 6,3X32 LED 24-EX**	**3046509**	10
for 30 – 60 V AC/DC, 0.36 – 0.95 mA	black	**P-FU 6,3X32 LED 60-EX**	**3046512**	10
for 110 – 250 V AC/DC, 0.4 – 0.95 mA	black	**P-FU 6,3X32 LA 250-EX**	**3046525**	10

Technical data[1])				
Width	Length	Height		
8.2	**57.8**	**47.5 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
20[3])	**500[3])**	**0.2 - 10**	**-**	
20 (FBS) / 20 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500[3])	-	-	250	
20[3]) / 2.5	-	-	6.3 / 6	

Ordering data			
Type	**Order No.**	Pcs. / Pkt.	
UT 6-TG-EX ①	**3046486**	50	
UT 6-TG P/P-EX ①	**3073870**	50	

Accessories[1])		
P-FU 6,3X32-EX	**3046499**	10
P-FU 6,3X32 LED 24-EX	**3046509**	10
P-FU 6,3X32 LED 60-EX	**3046512**	10
P-FU 6,3X32 LA 250-EX	**3046525**	10

Knife disconnect terminal blocks





20 A, knife disconnect terminal block

Notes:

[1]) For additional accessories and technical data, see page 52.

Technical data[1])

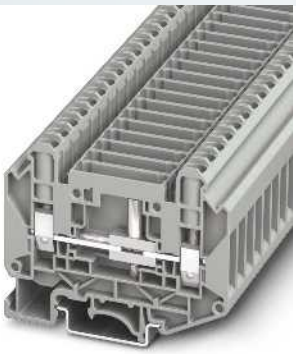
Dimensions		Width	Length	Height	
	[mm]	**8.2**	**57.8**	**49.1 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**500**	**0.2 - 10**	**24-8**
Max. bridge current	[A]	20 (FBS) / 20 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	16 / -	-

Ordering data

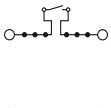
Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 6-MT**	①	**3064069**	50
	blue	**UT 6-MT BU**	①	**3073267**	50
	gray	**UT 6-MT P/P**	①	**3064072**	50
	blue	**UT 6-MT P/P BU**	①	**3073270**	50

Test disconnect terminal blocks

Notes:
For further jumpers, see page 340.
For further test sockets, see page 505.
For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.



57 A, 1000 V, test disconnect terminal block, 2 jumper shafts





50 A, test disconnect terminal block, 4 jumper shafts, 2 screw bridge shafts

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**72.6**	**54.3**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**72.6**	**59.3**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	57	**1000**	**0.2 - 10**	**-**
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	1000	-	-	-
Nominal current / cross section [A] / [mm²]	41 / 6	-	-	-
General data				
Stripping length [mm]	12			
Tightening torque [Nm]	1.2 - 1.4			

Technical data

Width	Length	Height NS 35/7,5		
8.2	**105.2**	**53**		
Width	Length	Height NS 32		
8.2	**105.2**	**58**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
50	**1000**	**0.2 - 10**	**20-8**	
IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7	
1000	600	-	-	
41 / 6	50	-	-	
12				
1.5 - 1.8				

Ordering data

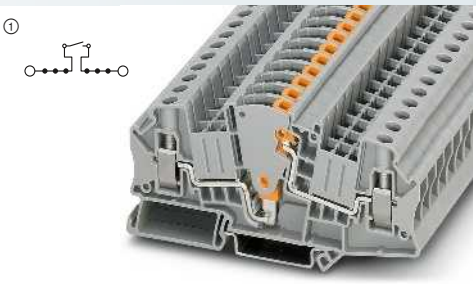
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block		gray	**UT 6-T-HV**		**3070134**	50
With test socket screws		gray	**UT 6-T-HV P/P**		**3070121**	50
Feed-through terminal block		gray				
Cover, width 2.2 mm		gray	**D-UT 6-T-HV**		**3070147**	50
Jumper						
	2	red	**FBS 2-8**	41 A	**3030284**	10
	3	red	**FBS 3-8**	41 A	**3030297**	10
	4	red	**FBS 4-8**	41 A	**3030307**	10
	5	red	**FBS 5-8**	41 A	**3030310**	10
	10	red	**FBS 10-8**	41 A	**3030323**	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	3	red	**FBS 1/3-8**	24 A	**3032363**	10
4-pos., positions 1, 4	4	red	**FBS 1/4-8**	24 A	**3032376**	10
5-pos., positions 1, 5	5	red	**FBS 1/5-8**	24 A	**3032381**	10
5-pos., positions 1, 3, 5	5	red	**FBS 1/3/5-8**	24 A	**3032389**	10
10-pos., positions 1, 4, 7, 10	10	red	**FBS 1/4/7/10-8**	24 A	**3032402**	10
Fixed bridge, 10-pos.						
	10	silver				
Isolator bridge bar, 10-pos.						
	10	silver				
Switching jumper						
	2	orange				
	3	orange				
	4	orange				
Switching jumper, plug-in						
	2	gray/orange	**SB-MER 2-8**	30 A	**3000587**	10
	3	gray/orange	**SB-MER 3-8**	30 A	**3000588**	10
	4	gray/orange	**SB-MER 4-8**	30 A	**3000589**	10
Test socket		silver				
Test adapter, plug-in		yellow	**PAI-4-FIX YE**		**3032745**	10
		green	**PAI-4-FIX GN**		**3032758**	10
		violet	**PAI-4-FIX VT**		**3032761**	10
		black	**PAI-4-FIX BK**		**3032774**	10
		blue	**PAI-4-FIX BU**		**3032729**	10
		violet	**PAI-4-FIX VT**		**3032761**	10
		black	**PAI-4-FIX BK**		**3032774**	10
		brown	**PAI-4-FIX BN**		**3032787**	10
		gray	**PAI-4-FIX GY**		**3032790**	10
Test adapter, screw-in		yellow				
		green				
		violet				
		black				
		blue				
		red				

Ordering data

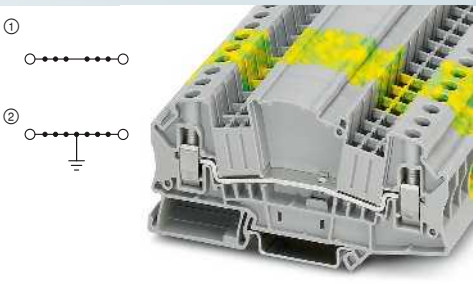
Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-T/SP		**3072815**	50
UTD 6/SP		**3072817**	50
D-UT 6-T/SP		**3072816**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	24 A	**3032363**	10
FBS 1/4-8	24 A	**3032376**	10
FBS 1/5-8	24 A	**3032381**	10
FBS 1/3/5-8	24 A	**3032389**	10
FBS 1/4/7/10-8	24 A	**3032402**	10
SCBI 10-8,15		**3245134**	10
SCBI 10-8,15 ISO		**3000417**	10
SB 6-T 2-8	32 A	**3075842**	10
SB 6-T 3-8	32 A	**3075843**	10
SB 6-T 4-8	32 A	**3075844**	10
SB-MER 2-8	25 A	**3000587**	10
SB-MER 3-8	25 A	**3000588**	10
SB-MER 4-8	25 A	**3000589**	10
TPS 3/20/5		**3246586**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
PAI-4-FIX BK		**3032774**	10
PAI-4-FIX BU		**3032729**	10
PAI-4-FIX VT		**3032761**	10
PAI-4-FIX BK		**3032774**	10
PAI-4-FIX BN		**3032787**	10
PAI-4-FIX GY		**3032790**	10
PSBJ 6-T YE		**3070326**	10
PSBJ 6-T GN		**3070327**	10
PSBJ 6-T VT		**3070328**	10
PSBJ 6-T BK		**3070318**	10
PSBJ 6-T BU		**3070329**	10
PSBJ 6-T RD		**3070319**	10

Test disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 52.
For corresponding terminal strip covers, see Catalog 5.



30 A, test disconnect terminal block



41 A, feed-through terminal block and ground terminal, same shape

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Test disconnect terminal block	gray
	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	gray

Technical data[1])

Width	Length	Height	
8.2	**100.8**	**49.6 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**500**	**0.2 - 10**	**24-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
30 / 6	30 / -	30 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
UTME 6	①	**3047400**	50

Accessories[1])

D-UTME 6	**3047426**	10

Technical data[1])

Width	Length	Height	
8.2	**100.8**	**49.6 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**500**	**0.2 - 10**	**24-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
41 / 6	30 / -	30 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
UTMED 6	①	**3047413**	50
UTMED 6-PE	②	**3047442**	50

Accessories[1])

D-UTME 6	**3047426**	10

Supplementary accessories for UTME 6 test disconnect terminal blocks



– Only two UTME 6 test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... jumper for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switching jumper
⑤ C-ME 6/2 connection bridge

Description	No. of pos.	Color
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
	1	brown
Switching lock, plug-in		white
Switching jumper, plug-in	2	gray/orange
	3	gray/orange
	4	gray/orange
Operating lever, for actuating test disconnect terminal blocks		orange
	2	orange
	3	orange

Ordering data

Type	Order No.	Pcs. / Pkt.
PAI-4-FIX-5/6 OG	**3035974**	10
PAI-4-FIX-5/6 YE	**3035977**	10
PAI-4-FIX-5/6 GN	**3035978**	10
PAI-4-FIX-5/6 VT	**3035979**	10
PAI-4-FIX-5/6 BK	**3035980**	10
PAI-4-FIX-5/6 BU	**3035975**	10
PAI-4-FIX-5/6 RD	**3035976**	10
PAI-4-FIX-5/6 GY	**3035982**	10
PAI-4-FIX-5/6 BN	**3035981**	10
S-ME 6	**3034439**	10
SB-ME 2-8	**3034468**	10
SB-ME 3-8	**3032800**	10
SB-ME 4-8	**3034484**	10
C-ME 6/1	**3034441**	10
C-ME 6/2	**3034442**	10
C-ME 6/3	**3034390**	50

Installation terminal blocks





Notes:

[1]) For additional accessories and technical data, see page 52.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products

41 A, neutral disconnect terminal block

EAC

Technical data[1])			
Dimensions			
Width	Length	Height	
8.2	**55**	**47.5 (NS 35/7,5)**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**400**	**0.2 - 10**	**-**
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)	
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	-	-	-

Description	Color	Ordering data: Type		Order No.	Pcs. / Pkt.
Terminal block	blue	**UTN 6**	1	**3245037**	50

Accessories[1])			
Cover, width 2.2 mm	blue	**D-UTN 2,5/10**	**3245079**	50
Support bracket	blue	**AB-UTN 2,5/10**	**3245082**	50

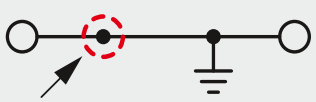
10 mm² UT... screw connection terminal blocks

General technical data for 10 mm² UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	10			
Cross section range	AWG	20 - 6			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

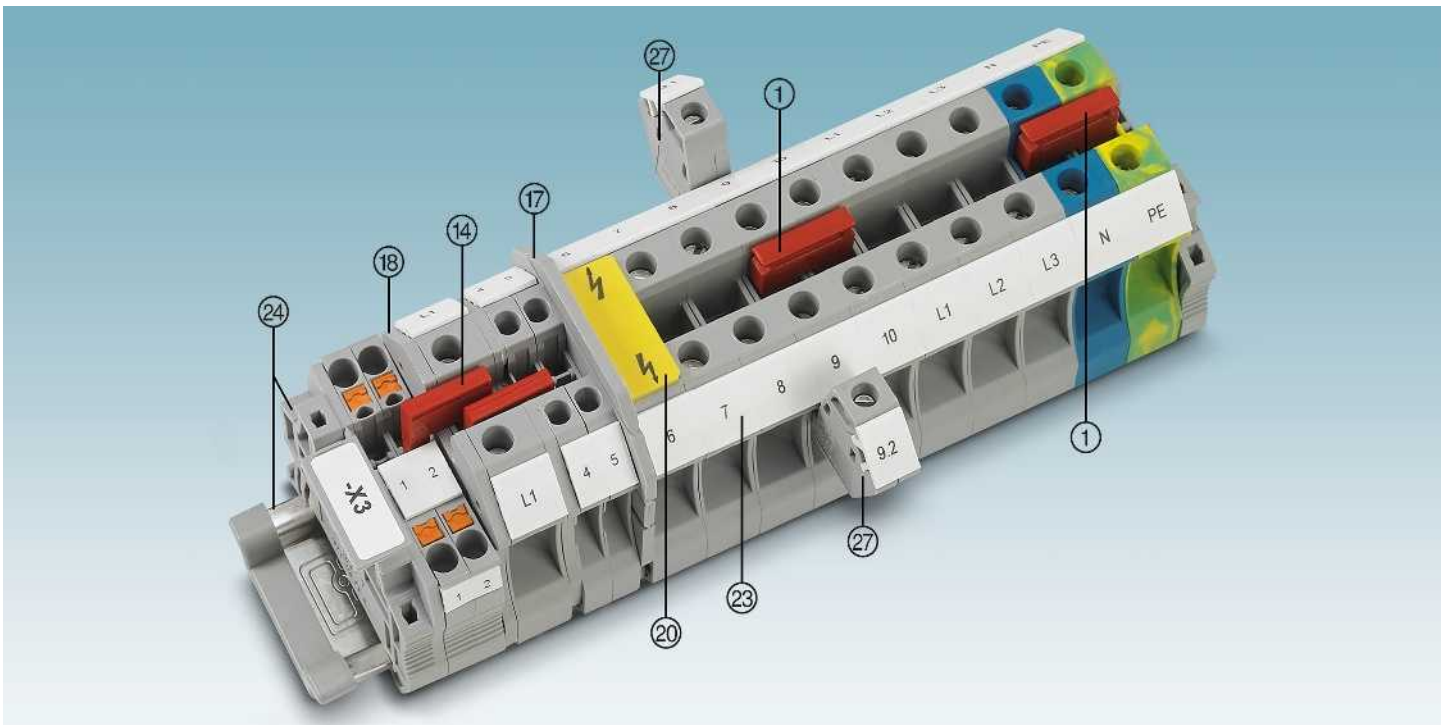


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 10 mm² UT... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-10**	**3005947**	10			
	5	red	**FBS 5-10**	**3005948**	10			
㉗ **Tap-off terminal block**		gray	**AGK 4-UT 10**	**3047112**	50			
Screwdriver			**SZS 1,0X4,0 VDE**	**1205066**	10			

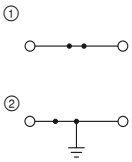
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉓ **Lateral groove marking**	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 60.

For information on installation and using accessories for Ex applications, see page 602.

① ② 



76 A, feed-through terminal block and ground terminal

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		10.2	**47.7**	**47.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		76	**1000**	**0.5 - 16** / **20-6**
Max. bridge current	[A]	57		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 690
Nominal current / cross section	[A] / [mm²]	57 / 10	65 / -	65 / - / 54 / 10

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 10**	①	**3044160**	50
	blue	**UT 10 BU**	①	**3044188**	50
Ground terminal	green-yellow	**UT 10-PE**	②	**3044173**	50
With screw foot	green-yellow	**UT 10-PE/S**	②	**3215054**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 2,5/10**	**3047028**	50

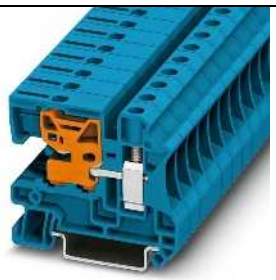
Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 60.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products

①



57 A, neutral disconnect terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		10.2	**55**	**47.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**400**	**0.5 - 16** / **-**
Max. bridge current	[A]	57		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	57 / 10	-	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	blue	**UTN 10**	①	**3245040**	50

Accessories[1])

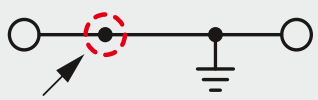
Cover, width 2.2 mm	blue	**D-UTN 2,5/10**	**3245079**	50
Support bracket	blue	**AB-UTN 2,5/10**	**3245082**	50

General technical data for 16 mm² UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	16			
Cross section range	AWG	16 - 4			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	1.5 - 25	1 - 16	1 - 16
2 conductors (of the same type)	[mm²]	1 - 6	1 - 6	1 - 6	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.75 - 10
General data					
Stripping length	[mm]	14			
Screw thread		M5			
Tightening torque	[Nm]	2.5 - 3			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

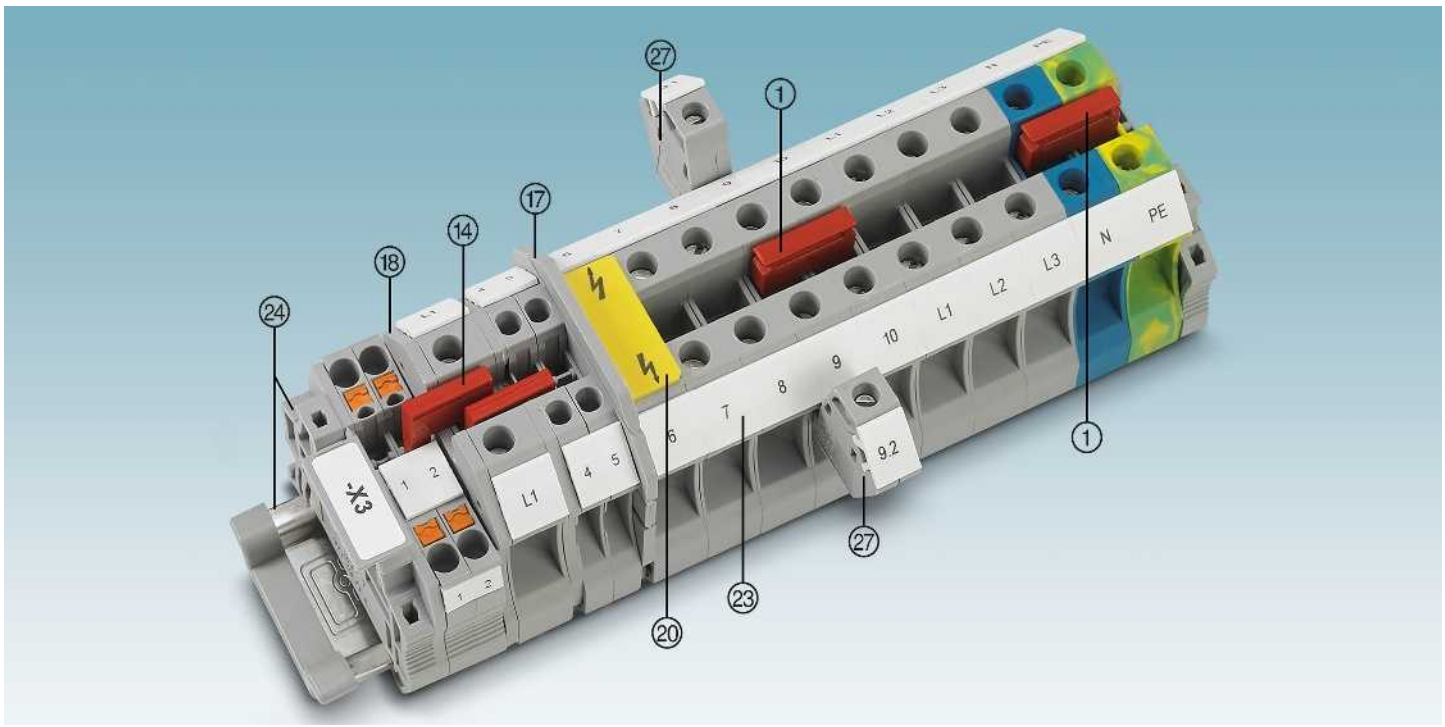


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 16 mm² UT... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-12**	**3005950**	10			
㉗ **Tap-off terminal block**		gray	**AGK 4-UT 16**	**3047125**	50			
Screwdriver			**SZS 1,0X6,5 VDE**	**1205079**	10			

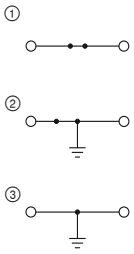
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉓ **Lateral groove marking**	**UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 62.

For information on installation and using accessories for Ex applications, see page 602.





101 A, feed-through terminal block and ground terminal

Ex: EAC Ex

KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		12.2	**55.5**	**55 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		101	**1000**	**1.5 - 25** / **16-4**
Max. bridge current	[A]	76		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 690
Nominal current / cross section	[A] / [mm²]	76 / 16	85 / -	85 / - / 73.5 / 16

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 16**	①	**3044199**	50
	blue	**UT 16 BU**	①	**3044209**	50
Ground terminal	green-yellow	**UT 16-PE**	②	**3044212**	50
With screw foot	green-yellow	**UT 16-PE/S**	③	**3215915**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UT 16**	**3047206**	50

Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 62.

Only the FBI 10-12 bridge (Order No. 0203454) can be used for UTI 16.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products





76 A, neutral disconnect terminal block

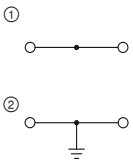
EAC

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		12.2	**55**	**50.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		76	**400**	**6 - 25**	**-**
Max. bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	76 / 16	-	-	-
Cross section range	AWG	10 - 4	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	6 - 25	6 - 16	6 - 16	6 - 16
2 conductors (of the same type)	[mm²]	2.5 - 10	2.5 - 6	4 - 6	-
General data					
Stripping length	[mm]	12			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray				
	blue	**UTN 16**	①	**3245053**	50
Ground terminal	green-yellow				





76 A, feed-through terminal block and ground terminal

EAC

Technical data[1])

		Width	Length	Height	
		12.2	**51**	**50.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		76	**400**	**6 - 25**	**-**
		101			
		IEC	UL / CUL	CSA	Ex
		400	-	-	-
		76 / 16	-	-	-
		10 - 4	-	-	-
		solid	stranded	Ferrule without/with plastic sleeve	
		6 - 25	6 - 16	6 - 16	6 - 16
		2.5 - 10	2.5 - 6	4 - 6	-
		12			
		V2			

Ordering data

Type		Order No.	Pcs. / Pkt.
UTI 16	①	**3073827**	50
UTI 16 BU	①	**3075728**	50
UTI 16-PE	②	**3073830**	50

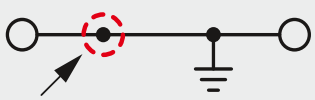
35 mm² UT... screw connection terminal blocks

General technical data for 35 mm² UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	35			
Cross section range	AWG	16 - 1/0			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 50	1.5 - 50	1.5 - 35	1.5 - 35
2 conductors (of the same type)	[mm²]	1.5 - 16	1.5 - 10	1.5 - 10	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 16
General data					
Stripping length	[mm]	18			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

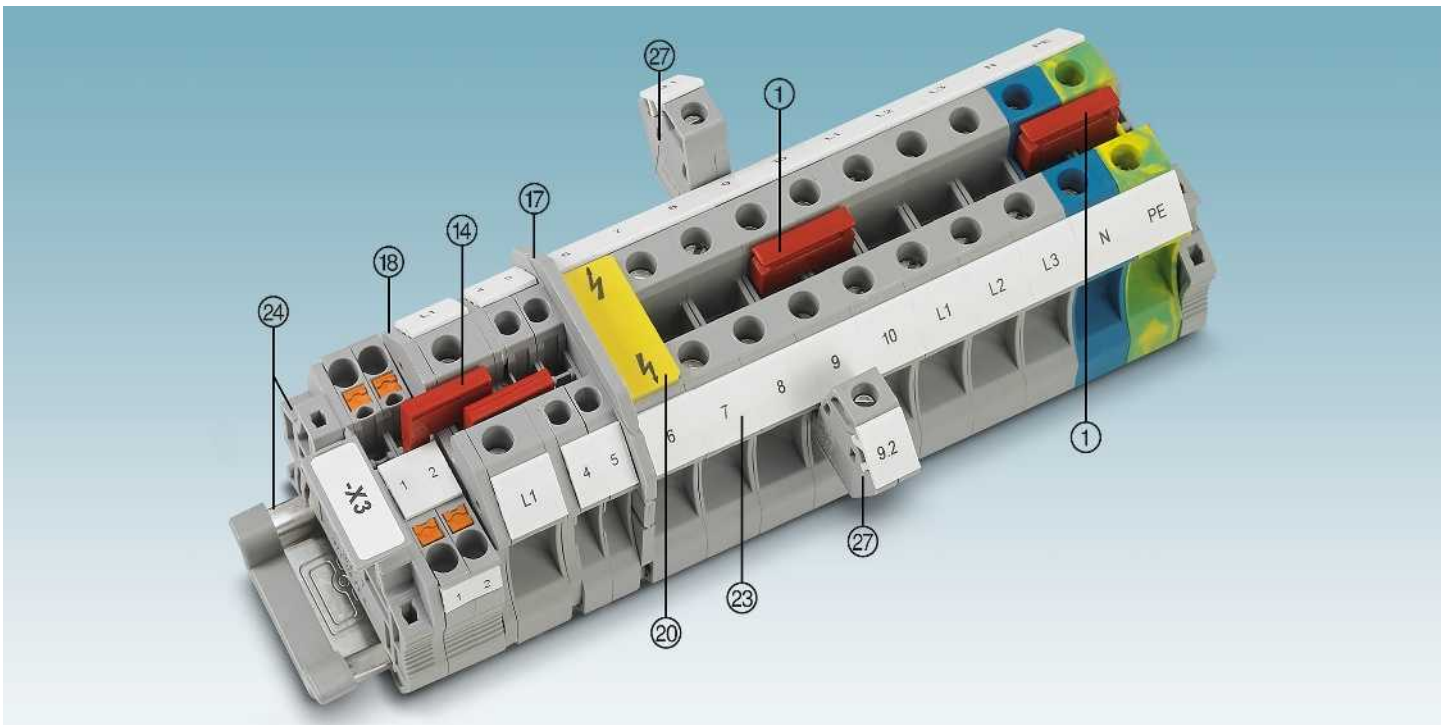


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 35 mm² UT... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-16**	**3005963**	10			
㉗ **Tap-off terminal block**		gray	**AGK 4-UT 35**	**3047138**	50			
Screwdriver			**SZS 1,0X6,5 VDE**	**1205079**	10			

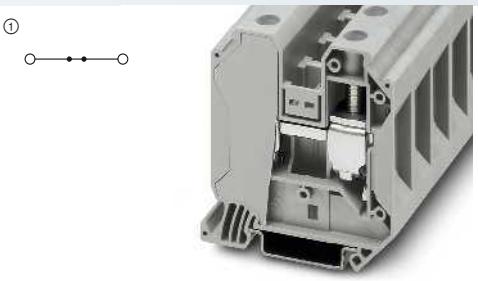
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉓ **Lateral groove marking**	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 64.

For information on installation and using accessories for Ex applications, see page 602.



150 A, feed-through terminal block



125 A, ground terminal

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**16**	**60.2**	**65.7 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		150	**1000**	**1.5 - 50**	**14-1/0**
Max. bridge current	[A]	101			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	125 / 35	150 / -	150 / -	126 / 35
Cross section range	AWG	16 - 1/0	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 50	1.5 - 50	1.5 - 35	1.5 - 35

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**16**	**60.2**	**65.7 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		125		**1.5 - 35**	**14-2**
Max. bridge current	[A]	101			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	125 / 35	-	-	- / 35
Cross section range	AWG	16 - 2	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 35	1.5 - 35

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 35**	①	**3044225**	50
	blue	**UT 35 BU**	①	**3044238**	50
Ground terminal	green-yellow				
With screw foot	green-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
UT 35-PE	①	**3044241**	50
UT 35-PE/S	②	**3215928**	50

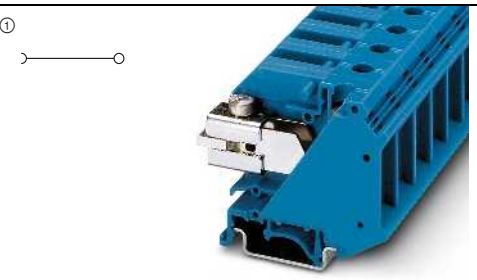
Installation terminal blocks

Notes:

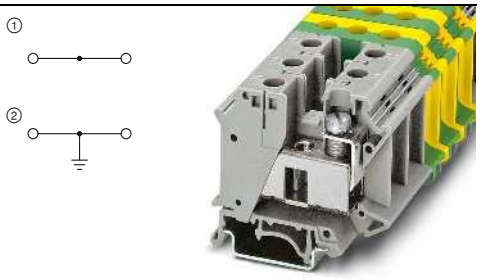
[1]) For additional accessories and technical data, see page 64.

Only FB I...-12 bridges can be used for UTI 35.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products



110 A, neutral disconnect terminal block



125 A, feed-through terminal block and ground terminal

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**15**	**55**	**51 (NS 35/7,5) / 56 (NS 32)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		110	**400**	**0.75 - 35**	**-**
Max. bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	110 / 35	-	-	-
Cross section range	AWG	18 - 2	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
2 conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
General data					
Stripping length	[mm]	16			
Inflammability class according to UL 94		V2			

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**15.2**	**55**	**51 (NS 35/7,5) / 56 (NS 32)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**800**	**0.75 - 35**	**-**
Max. bridge current	[A]	135			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	125 / 35	-	-	-
Cross section range	AWG	18 - 2	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
2 conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
General data					
Stripping length	[mm]	16			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray				
	blue	**UTN 35**	①	**3245066**	50
Ground terminal, closed	green-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
UTI 35	①	**3074088**	50
UTI 35 BU	①	**3075731**	50
UTI 35-PE	②	**3074091**	50

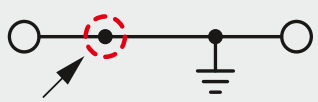
50 mm² UKH... screw connection terminal blocks

General technical data for 50 mm² UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	50			
Cross section range	AWG	6 - 2/0			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	16 - 70	25 - 70	25 - 50	25 - 50
2 conductors (of the same type)	[mm²]	10 - 16	10 - 16	10 - 16	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	24			
Screw thread		M6			
Tightening torque	[Nm]	6 - 8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

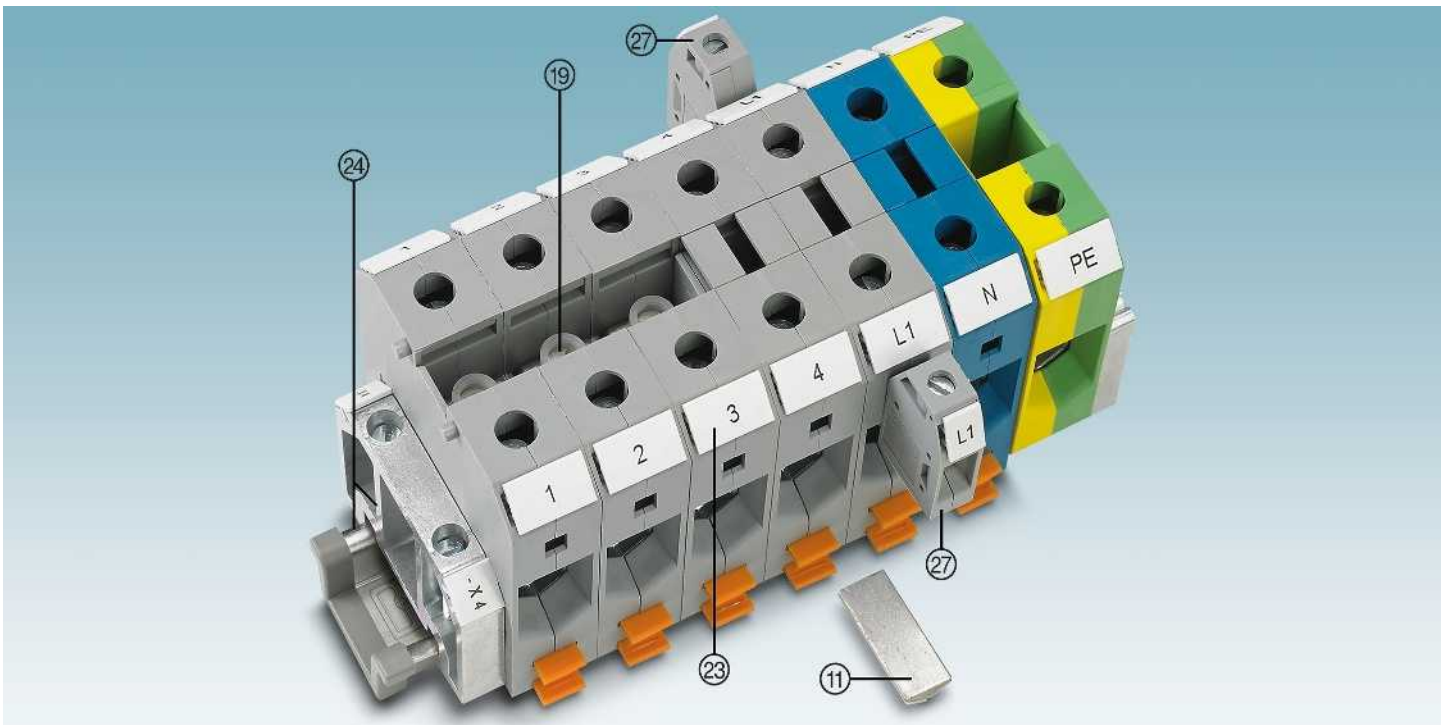


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 50 mm² UKH... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
⑲ **Fixed bridge**[1])	2	silver	**FBI 2-20**	**0201346**	10			
	3	silver	**FBI 3-20**	**0201317**	10			
⑪ **Insertion profile for flat conductor connection, see page 496**		silver	**UKH 50 EP**	**3009228**	10			
㉗ **Tap-off terminal block**		gray	**AGK 10-UKH 50**	**3001763**	10			
Screwdriver			**SZS 1,2X8,0 VDE**	**1205082**	10			

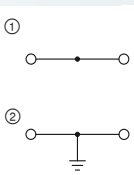
㉓ **Lateral groove marking**	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 66.

For information on installation and using accessories for Ex applications, see page 602.





150 A, feed-through terminal block



150 A, terminal block bases

Ex: KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**20**	**75.5**	**83.5 (NS 35/15) / 81 (NS 32)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	150	**1000**	**16 - 70**	**6-1/0**
Max. bridge current [A]	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	690
Nominal current / cross section [A] / [mm²]	150 / 50	150 / -	150 / -	133 / 50

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**60**	**75.5**	**83.5 (NS 35/15) / 81 (NS 32)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	150	**1000**	**16 - 70**	**-**
Max. bridge current [A]	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	-	-	-
Nominal current / cross section [A] / [mm²]	150 / 50	-	-	-

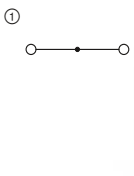
Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UKH 50**	①	**3009118**	10
	blue	**UKH 50 BU**	①	**3009105**	10
Ground terminal	green-yellow	**USLKG 50**	②	**0443049**	10
Terminal block base, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Type		Order No.	Pcs. / Pkt.
UKH 50-3L	①	**3076634**	3
UKH 50-3L/N	①	**3076635**	2
UKH 50-3L/FE	①	**3076636**	2
UKH 50-3L/N/FE	①	**3076637**	2

High-current terminal blocks for direct mounting

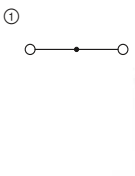
Notes:

[1]) For additional accessories and technical data, see page 66.





150 A, feed-through terminal block for direct mounting





150 A, terminal block base for direct mounting

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**20**	**103.4**	**76**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	150	**1000**	**16 - 70**	**-**
Max. bridge current [A]	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	-	-	-
Nominal current / cross section [A] / [mm²]	150 / 50	-	-	-

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**60**	**103.4**	**76**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	150	**1000**	**16 - 70**	**-**
Max. bridge current [A]	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	-	-	-
Nominal current / cross section [A] / [mm²]	150 / 50	-	-	-

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for direct mounting	gray	**UKH 50-F**	①	**3247019**	10
Terminal block base, for direct mounting, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Type		Order No.	Pcs. / Pkt.
UKH 50-3L-F	①	**3076638**	3
UKH 50-3L/N-F	①	**3076639**	2
UKH 50-3L/FE-F	①	**3076640**	3
UKH 50-3L/N/FE-F	①	**3076641**	2

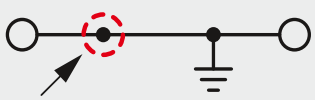
70 mm² UKH... screw connection terminal blocks

General technical data for 70 mm² UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	70			
Cross section range	AWG	4 - 3/0			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	16 - 95	25 - 70	16 - 70	16 - 70
2 conductors (of the same type)	[mm²]	16 - 25	16 - 25	16 - 25	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	24			
Screw thread		M8			
Tightening torque	[Nm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

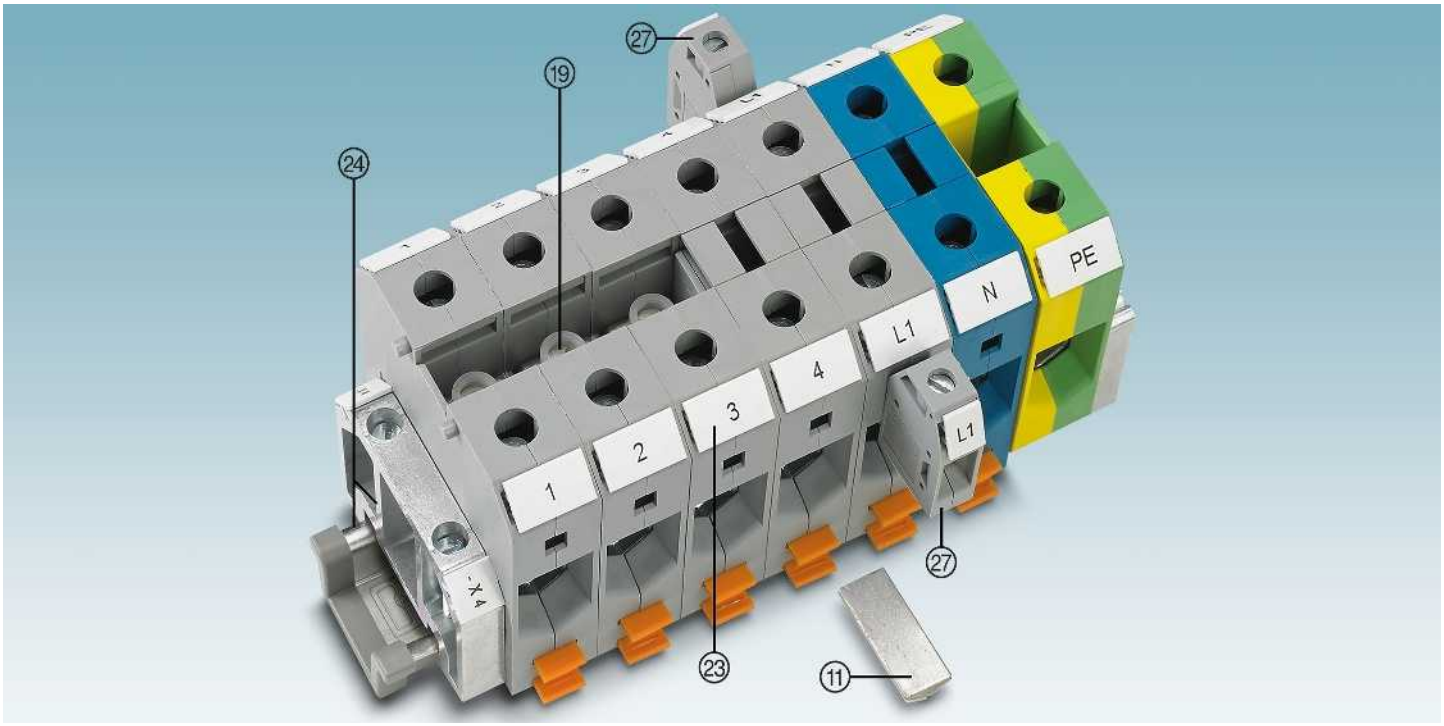


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 70 mm² UKH... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
⑲ **Fixed bridge**[1])	2	silver	**FBI 2-20 N**	**3213195**	10			
	3	silver	**FBI 3-20 N**	**3213205**	10			
⑪ **Insertion profile for flat conductor connection, see page 496**		silver	**UKH 50 EP**	**3009228**	10			
㉗ **Tap-off terminal block**		gray	**AGK 10-UKH 50**	**3001763**	10			
Allen key			**VDE-ISS 6**	**1201934**	1			

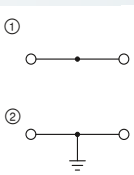
㉓ **Lateral groove marking**	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

High-current terminal blocks

Notes:

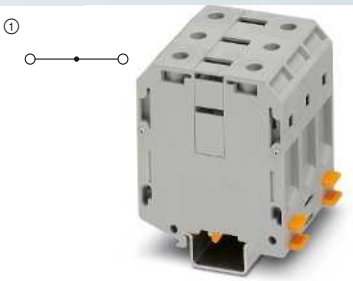
[1]) For additional accessories and technical data, see page 68.

For information on installation and using accessories for Ex applications, see page 602.





192 A, feed-through terminal block



192 A, terminal block bases

Ex: SEV12ATEX0168U / IECEx SEV12.0008U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**20.3**	**70.5**	**80 (NS 35/7,5) / 85 (NS 32)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		192	**1000**	**16 - 95**	**6-3/0**
Max. bridge current	[A]	192			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	1000	880
Nominal current / cross section	[A] / [mm²]	192 / 70	192 / -	192 / -	180 / 70

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**60.9**	**70.5**	**87.5 (NS 35/15) / 85 (NS 32)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		192	**1000**	**16 - 95**	**-**
Max. bridge current	[A]	192			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	192 / 70	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UKH 70**	①	**3213140**	10
	blue	**UKH 70 BU**	①	**3244601**	10
Ground terminal	green-yellow	**UKH 70-PE/S**	②	**3213141**	10
Terminal block base, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

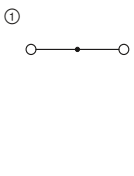
Ordering data

Type		Order No.	Pcs. / Pkt.
UKH 70-3L	①	**3076329**	4
UKH 70-3L/N	①	**3076361**	3
UKH 70-3L/FE	①	**3076400**	3
UKH 70-3L/N/FE	①	**3076442**	2

High-current terminal blocks for direct mounting

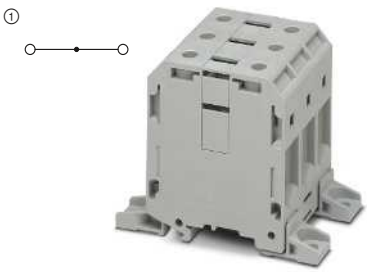
Notes:

[1]) For additional accessories and technical data, see page 68.





192 A, feed-through terminal block for direct mounting



192 A, terminal block bases for direct mounting

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**20.3**	**103.4**	**80**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		192	**1000**	**16 - 95**	**-**
Max. bridge current	[A]	192			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	192 / 70	-	-	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**60.9**	**103.4**	**80**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		192	**1000**	**16 - 95**	**-**
Max. bridge current	[A]	192			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	192 / 70	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for direct mounting	gray	**UKH 70-F**	①	**3247051**	10
Terminal block base, for direct mounting, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
UKH 70-3L-F	①	**3076484**	4
UKH 70-3L/N-F	①	**3076523**	3
UKH 70-3L/FE-F	①	**3076565**	3
UKH 70-3L/N/FE-F	①	**3076604**	2

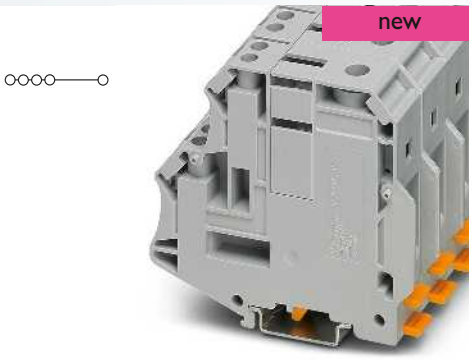
70 mm² UKH... screw connection terminal blocks

High-current terminal blocks

Notes:
For additional accessories and technical data, see page 68



- Compact high-current terminal blocks with 1500 V nominal voltage
- For use in renewable power generation - specifically in photovoltaics
- Four integrated pick-off terminal blocks with a 10 mm² cross section for a simple power supply or potential distribution
- Compact, space-saving design
- Bridgeable with screw-type bridges for easy potential distribution
- Large-surface marking options



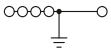
192 A, power terminal, 4 x 10 mm² outlets

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		20.3	**88.6**	**80**
Dimensions				
	[mm]	Width	Length	Height NS 35/15
		20.3	**88.6**	**87.5**
Dimensions				
	[mm]	Width	Length	Height NS 32
		20.3	**88.6**	**85**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		192	**1500**	**16 - 95** / **-**
Rated data		IEC 60947-7-1		
		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	1500	-	- / -
Nominal current / cross section	[A] / [mm²]	192 / -	- / -	- / -
Rated cross section	[mm²]	70	-	- / -
Cross section range	AWG	4 - 3/0	-	- / -
Supply connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	16 - 95	25 - 70	16 - 70 / 16 - 70
2 conductors (of the same type)	[mm²]	16 - 25	16 - 25	16 - 25 / -
Branch connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	1.5 - 16	0.5 - 16	0.5 - 10 / 0.5 - 10
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5 / -

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	**UKH 70/4X10**	**3213142**	10
	blue	**UKH 70/4X10 BU**	**3213143**	10
Ground terminal	green/yellow			





192 A, ground terminal, 4 x 10 mm² outlets

Technical data

Width	Length	Height NS 35/7,5	
20.3	**88.6**	**80**	
Width	Length	Height NS 35/15	
20.3	**88.6**	**87.5**	
Width	Length	Height NS 32	
20.3	**88.6**	**85**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
192	**1000**	**16 - 95**	**-**
IEC 60947-7-2 IEC	UL	CSA	IEC/ EN 60079-7
1000	-	-	-
192 / 70	- / -	- / -	-
70	-	-	-
4 - 3/0	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
16 - 95	25 - 70	16 - 70	16 - 70
16 - 25	16 - 25	16 - 25	-
solid	stranded	Ferrule without/with plastic sleeve	
1.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 2.5	-

Ordering data

Type	Order No.	Pcs. / Pkt.
UKH 70/4X10-PE	**3213144**	10

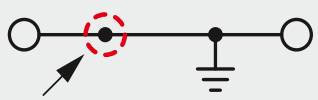
95 mm² UKH... screw connection terminal blocks

General technical data for 95 mm² UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	95			
Cross section range	AWG	4 - 3/0			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	25 - 95	35 - 95	35 - 95	35 - 95
2 conductors (of the same type)	[mm²]	25 - 35	25 - 35	16 - 35	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
Max. cross section with insertion bridge	[mm²]	95	70	-	-
General data					
Stripping length	[mm]	33			
Screw thread		M8			
Tightening torque	[Nm]	15 - 20			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

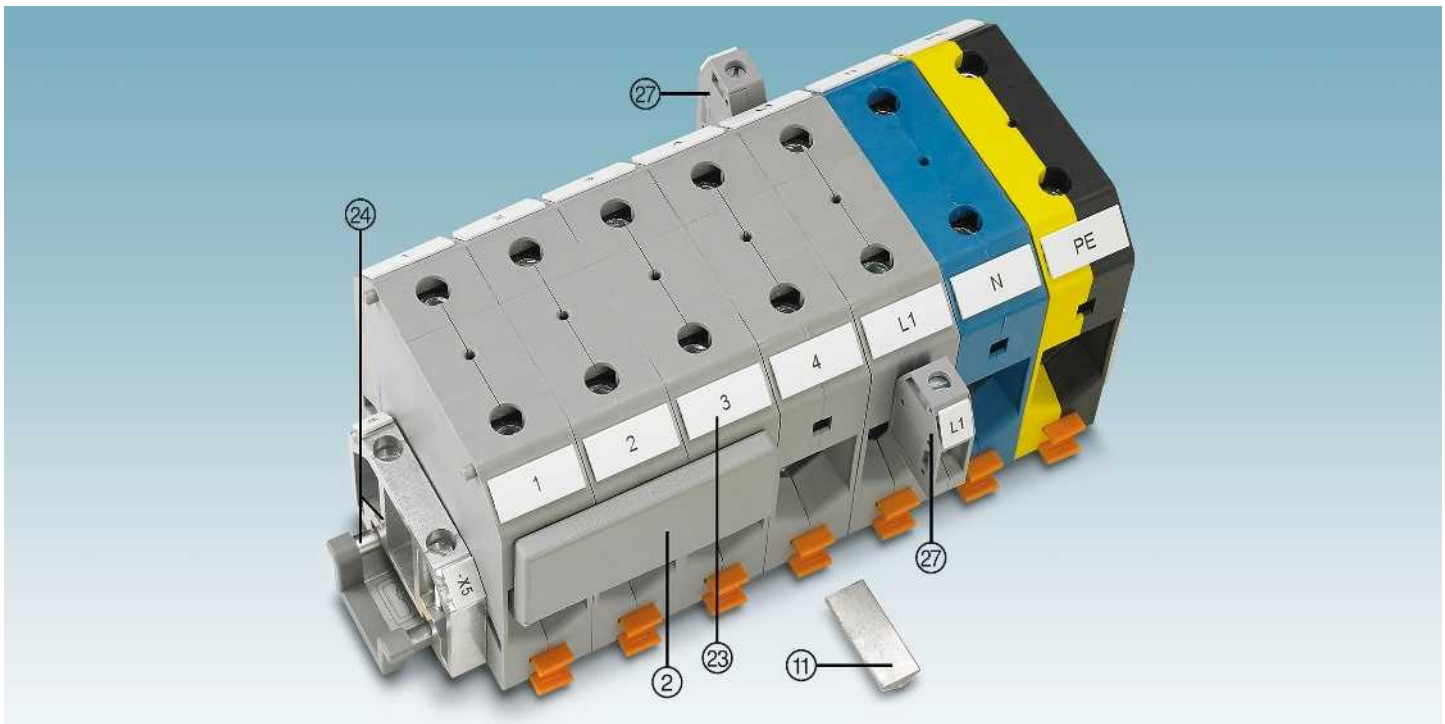


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 95 mm² UKH... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② **Insertion bridge**[1])	2	gray	**EB 2-25/UKH**	**0201362**	10			
	3	gray	**EB 3-25/UKH**	**0201375**	10			
⑪ **Insertion profile for flat conductor connection, see page 496.**		silver	**UKH 95 EP**	**3009231**	10			
㉗ **Tap-off terminal block**		gray	**AGK 10-UKH 95**	**3003541**	10			
Allen key			**VDE-ISS 6**	**1201934**	1			

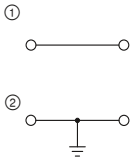
㉓ **Lateral groove marking**	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 72.

For information on installation and using accessories for Ex applications, see page 602.





232 A, feed-through terminal block



232 A, terminal block base

CCA

Ex:

KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**25**	**83**	**97.5 (NS 35/15) / 95 (NS 32)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**2-4/0**
Max. bridge current	[A]	232			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	880
Nominal current / cross section	[A] / [mm²]	232 / 95	230 / -	200 / -	216 / 95

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UKH 95**	①	**3010013**	3
	blue	**UKH 95 BU**	①	**3010136**	3
Ground terminal	green-yellow	**USLKG 95**	②	**0441041**	10
Terminal block base, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**75**	**82.8**	**97.5 (NS 35/15) / 95 (NS 32)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**2-4/0**
Max. bridge current	[A]	232			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	232 / 95	230 / -	-	-

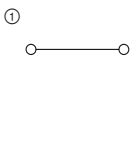
Ordering data

Type		Order No.	Pcs. / Pkt.
UKH 95-3L	①	**3076332**	3
UKH 95-3L/N	①	**3076374**	2
UKH 95-3L/FE	①	**3076413**	2
UKH 95-3L/N/FE	①	**3076455**	2

High-current terminal blocks for direct mounting

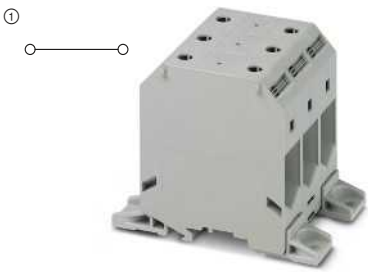
Notes:

[1]) For additional accessories and technical data, see page 72.





232 A, feed-through terminal block for direct mounting



232 A, terminal block bases for direct mounting

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**25**	**118.8**	**90**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**2-4/0**
Max. bridge current	[A]	232			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	232 / 95	230 / -	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for direct mounting	gray	**UKH 95-F**	①	**3247022**	10
Terminal block base, for direct mounting, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**75**	**118.8**	**90**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**-**
Max. bridge current	[A]	232			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	232 / 95	-	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
UKH 95-3L-F	①	**3076497**	4
UKH 95-3L/N-F	①	**3076536**	2
UKH 95-3L/FE-F	①	**3076578**	2
UKH 95-3L/N/FE-F	①	**3076617**	2

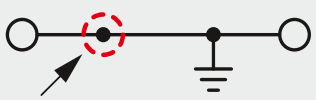
150 mm² UKH... screw connection terminal blocks

General technical data for 150 mm² UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1			
Rated cross section	[mm²]	150			
Cross section range	AWG	2 - 300 kcmil			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	35 - 150	50 - 150	50 - 150	50 - 150
2 conductors (of the same type)	[mm²]	25 - 50	35 - 50	25 - 50	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
Max. cross section with insertion bridge	[mm²]	150	120	-	-
General data					
Stripping length	[mm]	40			
Screw thread		M10			
Tightening torque	[Nm]	25 - 30			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

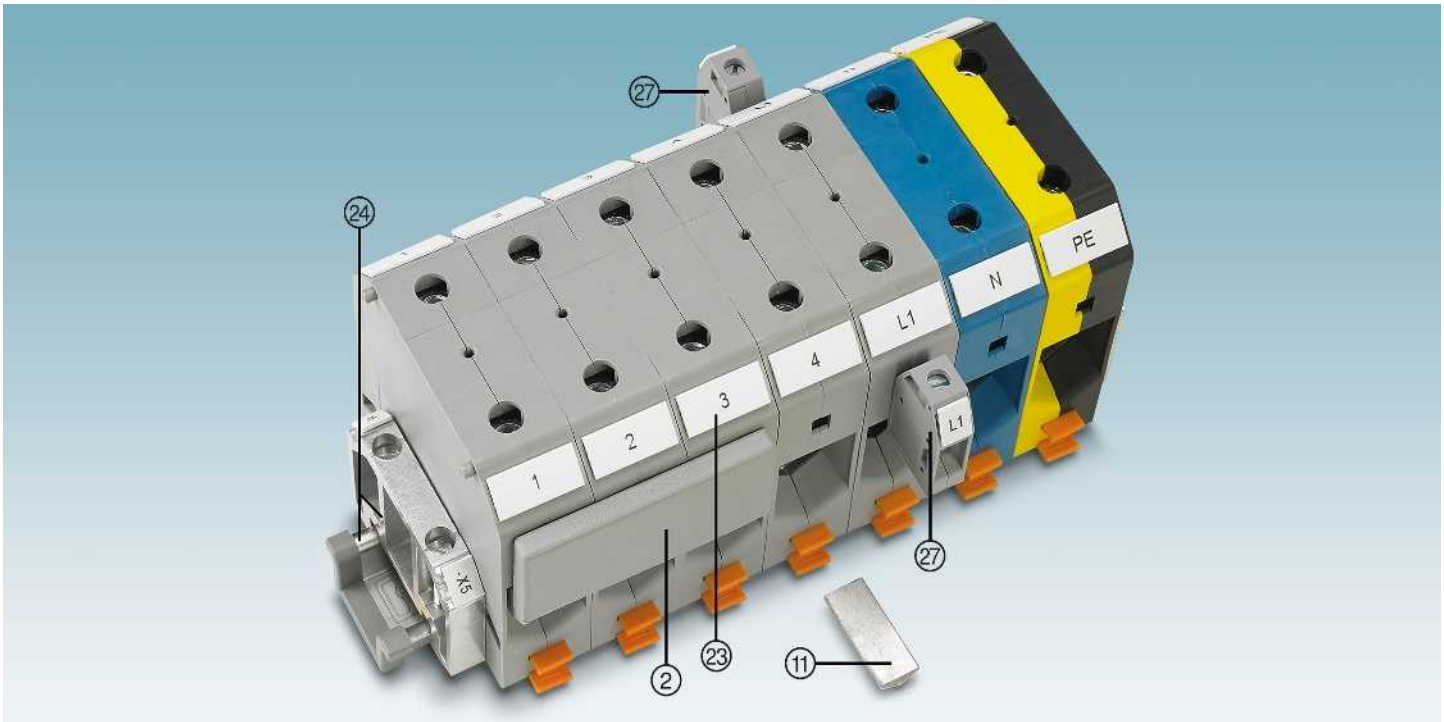


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 150 mm² UKH... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② **Insertion bridge**[1])	2	gray	**EB 2-31/UKH**	**0201388**	10			
	3	gray	**EB 3-31/UKH**	**0201391**	10			
⑪ **Insertion profile for flat conductor connection, see page 496.**		silver	**UKH 150/240 EP**	**3009244**	10			
㉗ **Tap-off terminal block**		gray	**AGK 10-UKH 150/240**	**3003554**	10			
Allen key			**VDE-ISS 8**	**1201947**	1			

㉓ **Lateral groove marking**	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 74.

For information on installation and using accessories for Ex applications, see page 602.

① ○——○



309 A, feed-through terminal block

① ○——○



309 A, terminal block base

Ex: KEMA 99ATEX8332 U / IECEx KEM 06.0030U

Dimensions		Technical data[1])				Technical data[1])			
	[mm]	Width	Length	Height		Width	Length	Height	
		31	**100**	**118.5 (NS 35/15) / 116 (NS 32)**		**93**	**100**	**118.5 (NS 35/15) / 116 (NS 32)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		309	**1000**	**35 - 150**	**2-300**	**309**	**1000**	**35 - 150**	**2-300**
Max. bridge current	[A]	300				300			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	1100	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	309 / 150	285 / -	275 / -	256 / 150	309 / 150	285 / -	-	-

Description	Color	Ordering data				Ordering data			
		Type		**Order No.**	Pcs. / Pkt.	**Type**		**Order No.**	Pcs. / Pkt.
Terminal block	gray	**UKH 150**	①	**3010110**	3				
	blue	**UKH 150 BU**	①	**3010123**	3				
Terminal block base, 3 x gray	gray					**UKH 150-3L**	①	**3076345**	3
3 x gray, 1 x blue	gray/blue					**UKH 150-3L/N**	①	**3076387**	2
3 x gray, 1 x black-yellow	gray/black-yellow					**UKH 150-3L/FE**	①	**3076426**	2
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow					**UKH 150-3L/N/FE**	①	**3076468**	2

High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 74.

① ○——○



309 A, feed-through terminal block for direct mounting

① ○——○



309 A, terminal block bases for direct mounting

Dimensions		Technical data[1])				Technical data[1])			
	[mm]	Width	Length	Height		Width	Length	Height	
		31	**136.1**	**111**		**93**	**136.1**	**111**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		309	**1000**	**35 - 150**	**2-300**	**309**	**1000**	**35 - 150**	**-**
Max. bridge current	[A]	300				300			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	-	-	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	309 / 150	285 / -	-	-	309 / 150	-	-	-

Description	Color	Ordering data				Ordering data			
		Type		**Order No.**	Pcs. / Pkt.	**Type**		**Order No.**	Pcs. / Pkt.
Terminal block, for direct mounting	gray	**UKH 150-F**	①	**3247035**	10				
Terminal block base, for direct mounting, 3 x gray	gray					**UKH 150-3L-F**	①	**3076507**	4
3 x gray, 1 x blue	gray/blue					**UKH 150-3L/N-F**	①	**3076549**	2
3 x gray, 1 x black-yellow	gray/black-yellow					**UKH 150-3L/FE-F**	①	**3076581**	2
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow					**UKH 150-3L/N/FE-F**	①	**3076620**	2

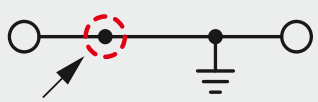
240 mm² UKH... screw connection terminal blocks

General technical data for 240 mm² UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1			
Rated cross section	[mm²]	240			
Cross section range	AWG	2/0 - 500 kcmil			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	70 - 240	70 - 240	70 - 185	70 - 185
2 conductors (of the same type)	[mm²]	35 - 95	50 - 95	35 - 50	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
Max. cross section with insertion bridge	[mm²]	240	185	-	-
General data					
Stripping length	[mm]	40			
Screw thread		M10			
Tightening torque	[Nm]	25 - 30			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

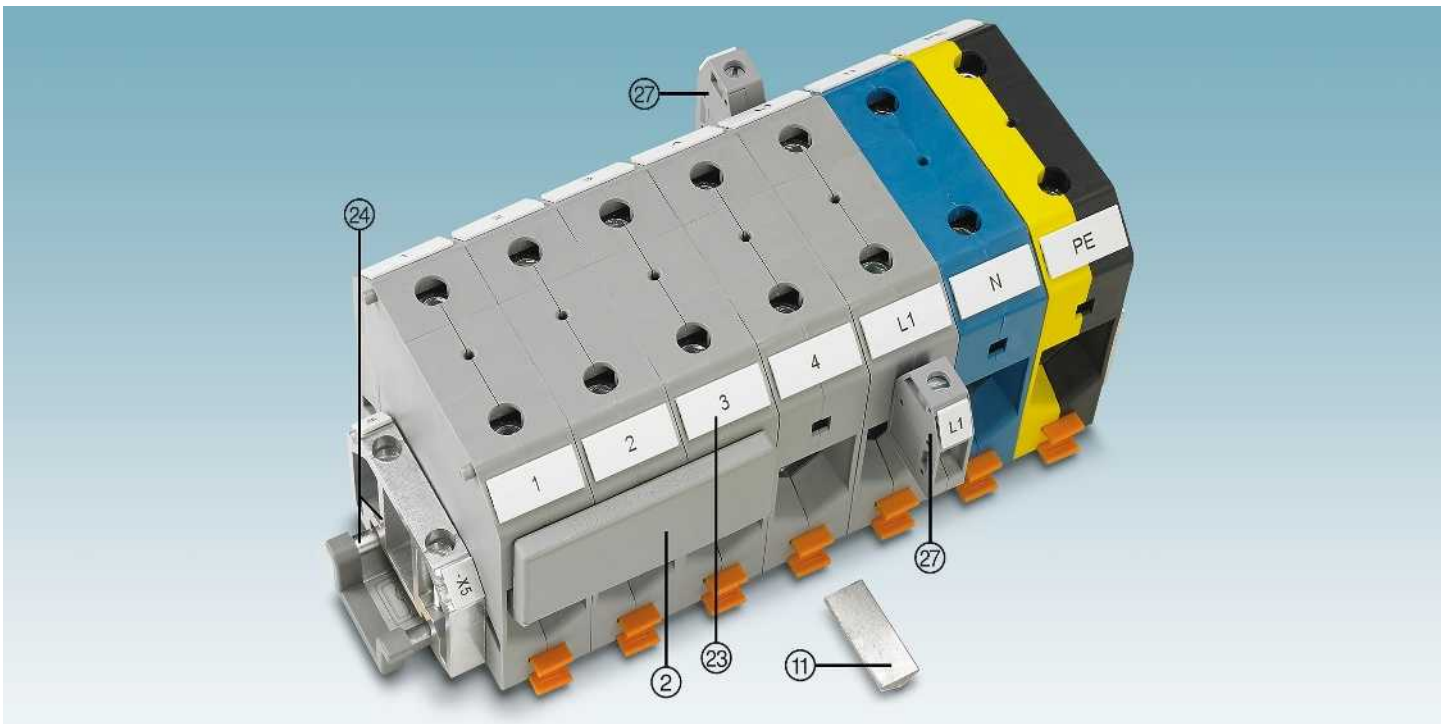


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 240 mm² UKH... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② **Insertion bridge**[1])	2	gray	**EB 2-36/UKH**	**0201401**	10			
	3	gray	**EB 3-36/UKH**	**0201414**	10			
⑪ **Insertion profile for flat conductor connection, see page 496.**		silver	**UKH 150/240 EP**	**3009244**	10			
㉗ **Tap-off terminal block**		gray	**AGK 10-UKH 150/240**	**3003554**	10			
Allen key			**VDE-ISS 8**	**1201947**	1			

㉓ **Lateral groove marking**	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 76.

For information on installation and using accessories for Ex applications, see page 602.

① ○——○



415 A, feed-through terminal block

① ○——○



415 A, terminal block bases

Ex: KEMA 99ATEX8332 U / IECEx KEM 06.0030U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		36	**100**	**131.5 (NS 35/15) / 129 (NS 32)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		415	**1000**	**70 - 240 / 2/0-500**
Max. bridge current	[A]	382		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 1100
Nominal current / cross section	[A] / [mm²]	415 / 240	380 / -	400 / - / 350 / 240

Technical data[1])

		Width	Length	Height
		108	**100**	**131.5 (NS 35/15) / 129 (NS 32)**
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		415	**1000**	**70 - 240 / 2/0-500**
		382		
		IEC	UL / CUL	CSA / Ex
		1000	600	- / -
		415 / 240	380 / -	- / -

Ordering data

Description	Color
Terminal block	gray
	blue
Terminal block base, 3 x gray	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Type		Order No.	Pcs. / Pkt.
UKH 240	①	**3010217**	3
UKH 240 BU	①	**0711852**	3

Ordering data

Type		Order No.	Pcs. / Pkt.
UKH 240-3L	①	**3076358**	3
UKH 240-3L/N	①	**3076390**	2
UKH 240-3L/FE	①	**3076439**	2
UKH 240-3L/N/FE	①	**3076471**	2

High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 76.

① ○——○



415 A, feed-through terminal block for direct mounting

① ○——○



415 A, terminal block bases for direct mounting

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		36	**136.1**	**124**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		415	**1000**	**70 - 240 / 2/0-500**
Max. bridge current	[A]	382		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	- / -
Nominal current / cross section	[A] / [mm²]	415 / 240	380 / -	- / -

Technical data[1])

		Width	Length	Height
		108	**136.1**	**124**
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		415	**1000**	**70 - 240 / -**
		382		
		IEC	UL / CUL	CSA / Ex
		1000	-	- / -
		415 / 240	-	- / -

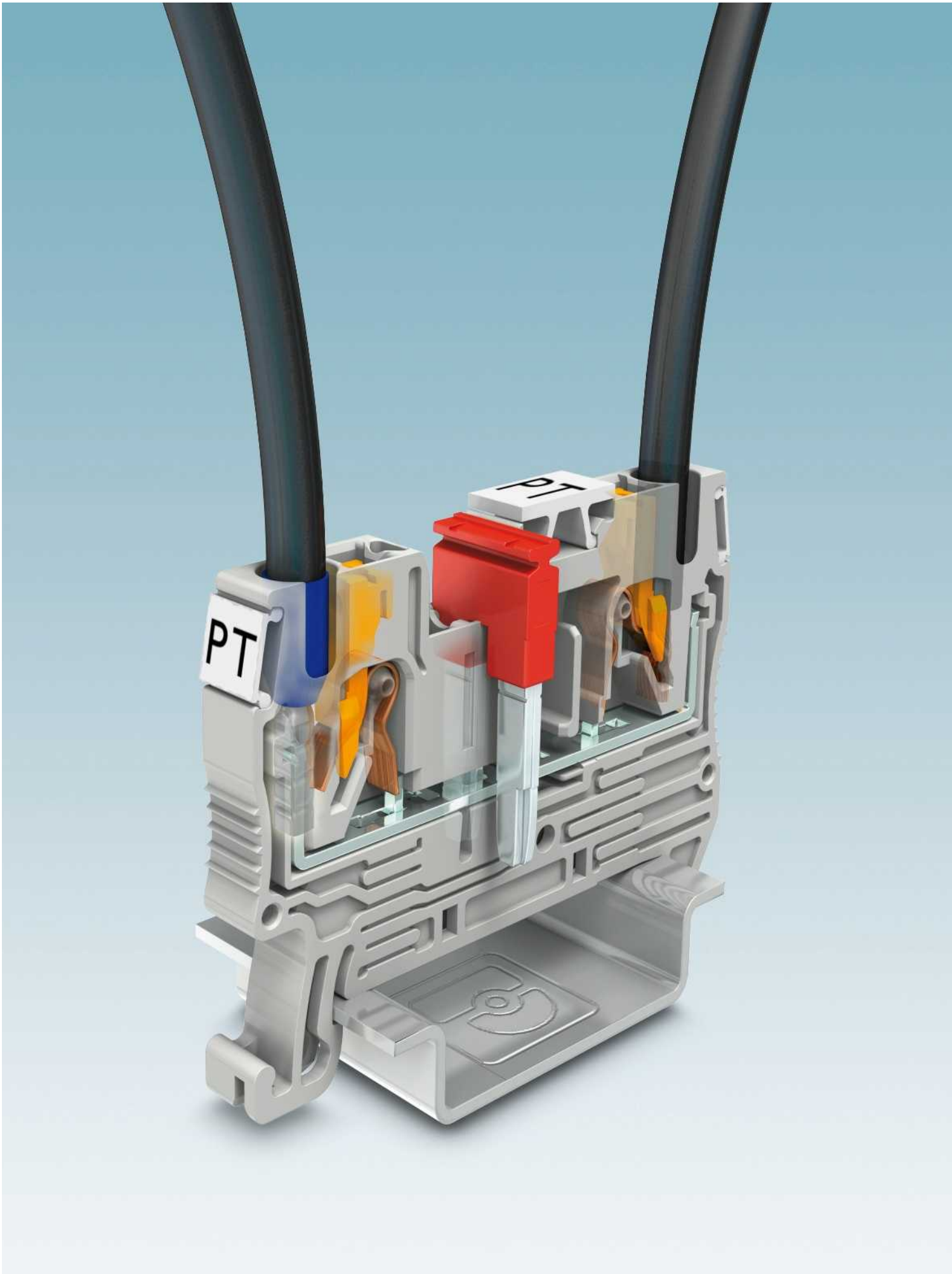
Ordering data

Description	Color
Terminal block, for direct mounting	gray
Terminal block base, for direct mounting, 3 x gray	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Type		Order No.	Pcs. / Pkt.
UKH 240-F	①	**3247048**	10

Ordering data

Type		Order No.	Pcs. / Pkt.
UKH 240-3L-F	①	**3076510**	4
UKH 240-3L/N-F	①	**3076552**	2
UKH 240-3L/FE-F	①	**3076594**	2
UKH 240-3L/N/FE-F	①	**3076633**	2


PT
PT

PT... push-in connection terminal blocks

The PT... push-in connection terminal blocks from the CLIPLINE complete system have been developed for direct conductor connection and offer a wide range of application options. Easy handling and direct, tool-free connection with up to 50 percent lower insertion forces are the key advantages of this terminal technology. When solid conductors from 0.25 mm² or conductors with ferrules from 0.34 mm² are inserted, the contact spring is automatically opened and provides the required pressure force against the current bar.

The integrated actuation lever allows you to release conductors or to connect small conductor cross sections from 0.14 mm² with any type of tool - easily and without direct contact with live parts.

The PT... connection technology has been tested and approved for a range of approvals. These include, for example, vibration resistance according to railway standard EN 50155 and shock and corrosion resistance according to current shipbuilding registers. It is also certified for process engineering in areas with increased safety (Ex e).

Product range overview

1.5 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **87**
Initiator/actuator terminal blocks **89**
Knife disconnect terminal blocks **90**
Marshalling terminals **92**
Marshalling patchboards **99**
Desk-design terminal blocks **108**
Mini feed-through terminal blocks and ground terminals **109**

2.5 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **111**
Disconnect and knife disconnect terminal blocks **113**
Diode terminal blocks **121**
Hybrid terminal blocks with screw connection on one side **123**
Desk-design terminal blocks **124**
Desk-design disconnect and knife disconnect terminal blocks **125**
Installation terminal blocks **126**
Mini feed-through terminal blocks and ground terminals **131**

4 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **133**
Fuse terminal blocks **134**
Disconnect and knife disconnect terminal blocks **135**
Test disconnect terminal blocks **136**
Diode terminal blocks **137**
Hybrid terminal blocks with screw connection on one side **137**
Installation terminal blocks **138**

6 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **141**
Test disconnect terminal blocks **142**
Hybrid terminal blocks with screw connection on one side **143**
Installation terminal blocks **145**

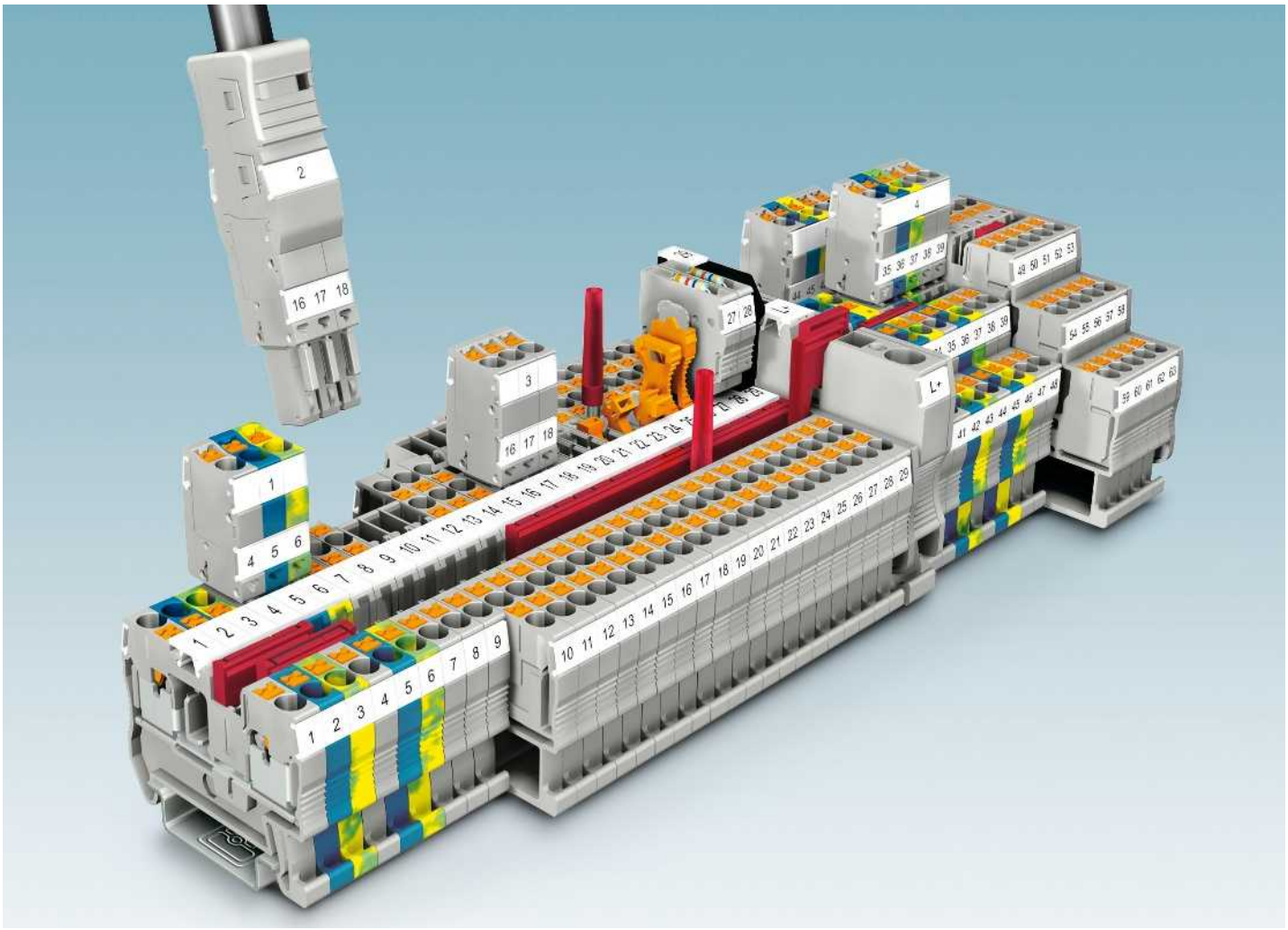
10 mm²

Feed-through and multi-conductor terminal blocks and ground terminals **147**
Fuse terminal blocks **147**

16 mm²

Feed-through and multi-conductor terminal blocks and ground terminals **149**

PTPOWER Power-Turn high-current terminal blocks 35 mm² - 150 mm² **150**





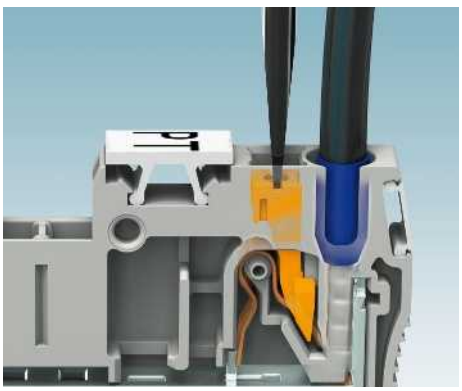
Push-in connection technology

The PT... series is characterized by the easy, direct conductor connection and makes consistent use of the benefits of the CLIPLINE complete system.



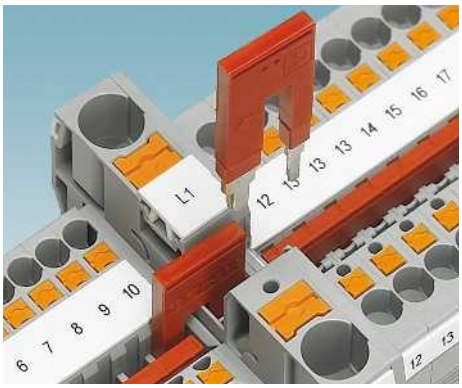
Easy insertion

The up to 50 percent reduction in insertion force offered by push-in technology supports simple and direct insertion of solid and stranded conductors featuring ferrules with a cross section of 0.34 mm² or higher.

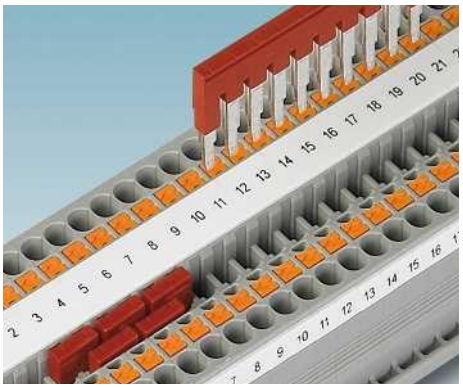


Latch function

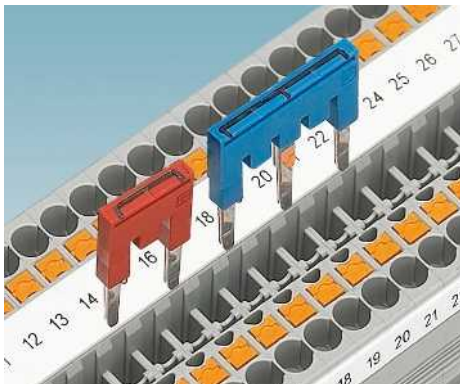
The integrated latch allows you to release connections with any type of tool – easily and without direct contact with live parts.



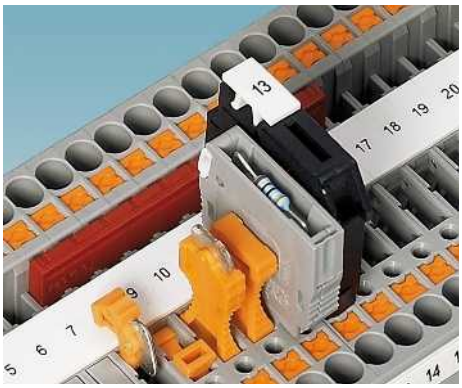
The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease, e.g., a PT 10 push-in terminal block to a PT 2,5. Power blocks can be created quickly using the reducing bridge.



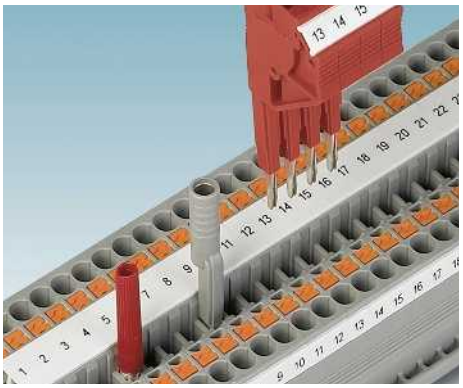
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



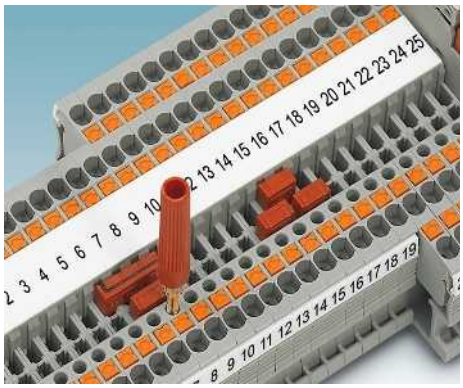
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



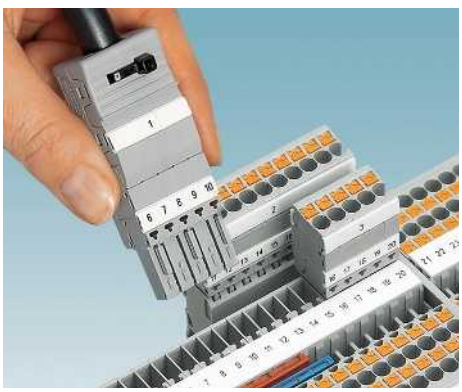
The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component connector, and P-FU cartridge fuse plug can be used in the universal plug-in zone of the disconnect terminal block.



A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



As well as offering a testing facility in the double function shaft, all push-in technology terminal blocks offer an additional test contact for test plugs with a 2.3 mm diameter.



Push-in COMBI terminal blocks are available for the plug-in configuration of signal wiring. The system is touch-proof and offers plugs for self-assembly with extensive accessories.



Automatic flat-type fuse terminal blocks with a 4 mm² conductor connection are available in the same shape as the feed-through terminal blocks. All terminal blocks can be continuously bridged with one another with the double function shaft.



The compact lever-type fuse terminal blocks are of the same shape as the feed-through terminal blocks and can be printed and bridged continuously. A time-saving potential distribution is easily created using bridging between non-adjacent terminal blocks.

PT... feed-through, multi-conductor, and multi-level terminal blocks



- Optimum ergonomics for tool-free wiring thanks to the integrated actuation lever
- Easy insertion with pre-assembled conductor from 0.25 mm²
- Clear identification of terminal point and operating area provides optimum protection against wiring errors
- Universal handling using any suitable tool
- Double function shafts for potential distribution
- Individual testing facility for every current path

Your web code: #0068

PTIO... three-conductor initiator/actuator terminal block



- Space-saving wiring of initiators and actuators with an overall width of just 3.5 mm
- Compact design for maximum signal density
- Power terminals enable individual distribution of the positive and negative potential via FBS... jumpers
- Versions with LED display indicate switching states
- Large identification of the wiring levels

Your web code: #0069

PT... and PTT... knife disconnect terminal blocks



- Convenient disconnection of measuring and closed-loop control circuits by means of a disconnect knife
- Disconnect knife reliably snapped into the limit positions
- Flexible testing facilities on both sides of the disconnect point
- Optional snap-in switching lock effectively prevents unintentional switching
- Universal disconnect zone for also accommodating isolating plugs, feed-through connectors, component connectors, and fuse plugs

Your web code: #0070

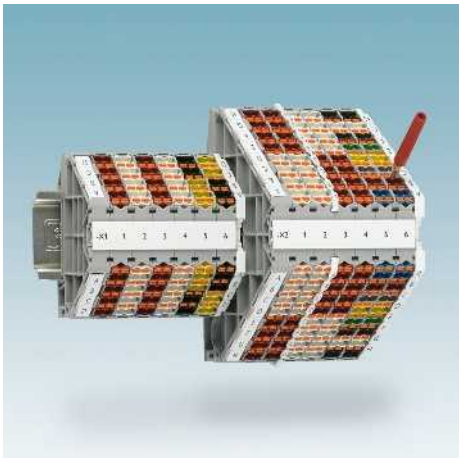
PTME... test disconnect terminal blocks



- Convenient wiring of current transformer measuring circuits
- Safe longitudinal and perpendicular disconnection of the current paths
- The switch units are latched in the respective limit positions
- Unintentional switching is prevented by means of optional switching locks
- Up to six function shafts integrated per terminal block for potential distribution and testing

Your web code: #0071

PTRV... marshalling terminals



- Marshalling terminals with a space-saving design
- Signal wiring on four or eight levels
- Color coding in up to eleven colors for clear identification of the wiring levels
- Patented double connection for reliable contacting
- Testing facility on every double connection

Your web code: #0160

PTMC... marshalling patchboards



- Modular marshalling patchboards with stackable concept
- Front and rear wiring
- Individual color coding of the terminal points
- Easy and clear wiring thanks to push-in connection technology
- Convenient testing facility and marking option for the terminal points
- Various mounting methods on different carrier systems

Your web code: #0161

PT... push-in connection terminal blocks

PTU... hybrid terminal blocks



- PT... mixed connection with screw connection technology on one side
- Quick and easy push-in connection for the internal control cabinet wiring
- Universal screw connection for the end user's external wiring
- Double bridging supported throughout and compatible with all standard terminal blocks
- Internal TWIN connection for compact potential distribution

Your web code: #0068

Feed-through and multi-conductor terminal blocks in PTS..., PTS...-TWIN desk design



- Angled design enables minimized bending radii for better conductor routing
- Designed for use on wiring frames instead of typical channel wiring
- Compact design from 3.5 mm horizontal pitch
- Two-, three-, and four-conductor terminal blocks with the same contour

Your web code: #0072

PTI... installation terminal blocks



- Compact installation distributor terminal blocks for single-/three-phase applications
- Double function shafts for fast potential distribution on every level
- Fast and reliable neutral conductor disconnection with snap-lock mechanism in the limit positions
- Can be mounted and removed flexibly as a group without having to remove the busbar
- Large-surface marking and testing facility for every terminal point

Your web code: #0073

MPT... miniature terminal blocks



- Miniature terminal block for 15 mm DIN rail systems
- Extremely compact design for use in small control boxes
- Testing facility for every current path
- Can be jumpered with the patented FBS... jumper system
- Protective conductor terminal blocks of the same shape
- Plug-in version with COMBI plug-in connection on one side, e.g., for quick wiring of pre-assembled cables
- Powerful contact up to 24 A

Your web code: #0075

PTPOWER Power-Turn high-current terminal blocks



- High-current spring terminal with patented Power-Turn connection
- Quick and easy wiring of conductor cross sections up to 150 mm²
- Alternative direct plug-in of the conductor, e.g., in confined mounting positions
- Easy potential distribution by means of insertion bridges that can be locked
- Tap-off terminal blocks that can be snapped on on both sides enable voltage tap-off of up to 4 x 16 mm² per terminal block
- Installation on 35 mm DIN rail or as flange solution for direct mounting

Your web code: #0158

Motor terminals



- Compact four-level terminals for wiring three-phase loads
- Three phases and protective conductor terminal in a single terminal
- Bridging facility on each level for potential distribution or star-delta applications
- Testing facility on each level
- Large-surface marking for every terminal point
- Powerful contact up to 32 A

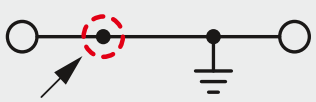
Your web code: #0159

General technical data for 1.5 mm² PT... push-in connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	1.5			
Cross section range	AWG	26 - 14			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
Plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

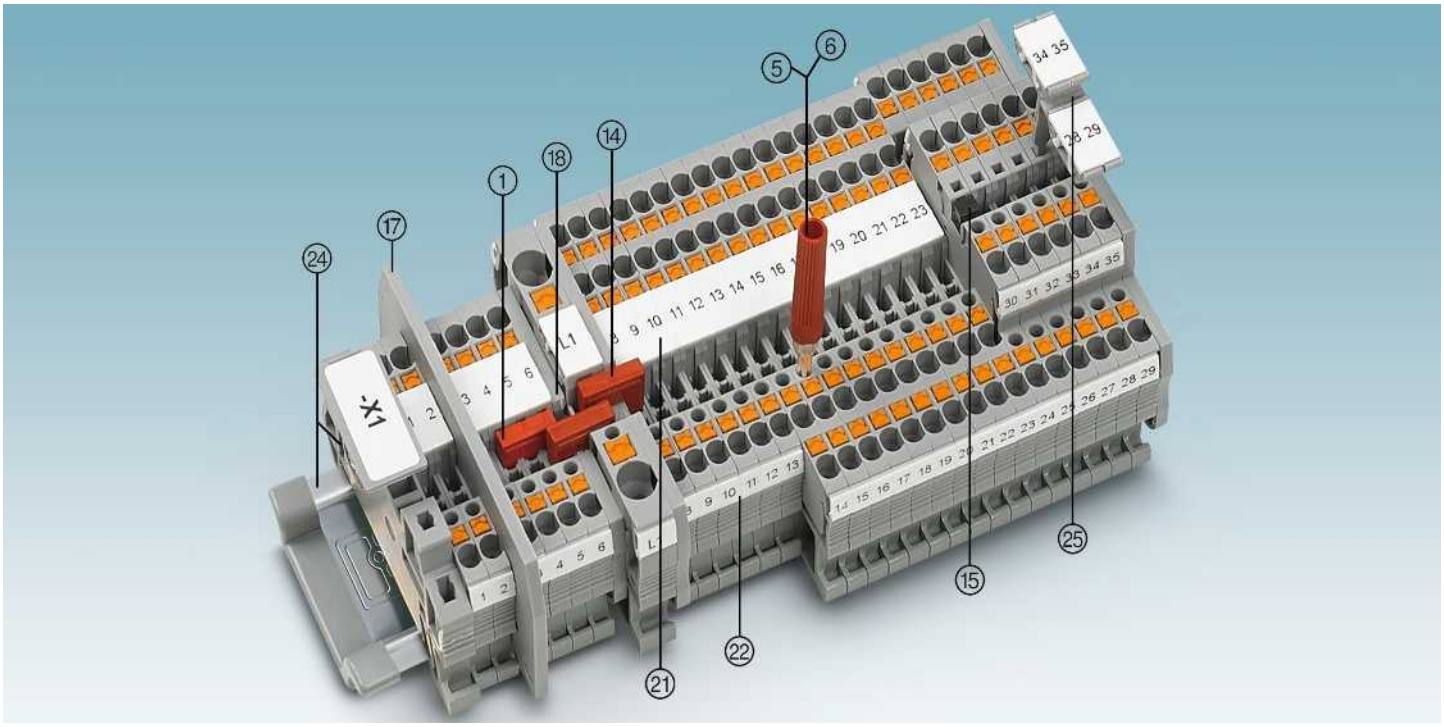


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 1.5 mm² PT... push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-3,5**	**3213014**	50			
	3	red	**FBS 3-3,5**	**3213027**	50			
	4	red	**FBS 4-3,5**	**3213030**	50			
	5	red	**FBS 5-3,5**	**3213043**	50			
	10	red	**FBS 10-3,5**	**3213056**	50			
	20	red	**FBS 20-3,5**	**3213069**	50			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10			

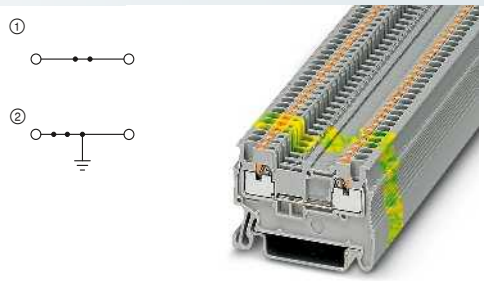
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS 1,5/S-PV ..., see page 341.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UCT-TM 3,5 or ZB 3,5. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove Marking**	**UCT-TMF 3,5 or ZBF 3,5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉕ **Marker carrier**	**For STP ..., see page 352.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

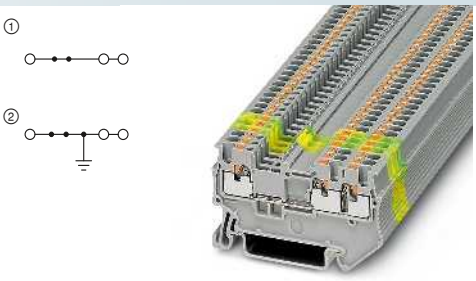
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 86.

For information on installation and using accessories for Ex applications, see page 602.





17.5 A, feed-through terminal block

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**45**	**32 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 1,5/S**	①	**3208100**	50
	blue	**PT 1,5/S BU**	①	**3208126**	50
Ground terminal	green-yellow	**PT 1,5/S-PE**	②	**3208139**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 1,5/S**	**3208142**	50

17.5 A, feed-through terminal block, 3 connections

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**54**	**32 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 1,5/S-TWIN	①	**3208155**	50
PT 1,5/S-TWIN BU	①	**3208168**	50
PT 1,5/S-TWIN-PE	②	**3208171**	50

Accessories[1])

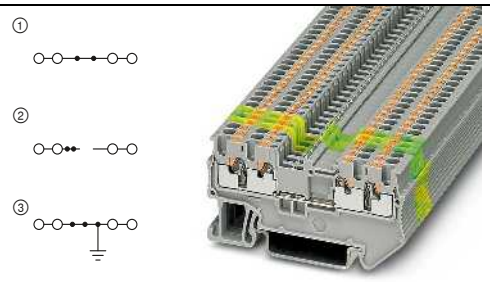
D-PT 1,5/S-TWIN	**3208184**	50

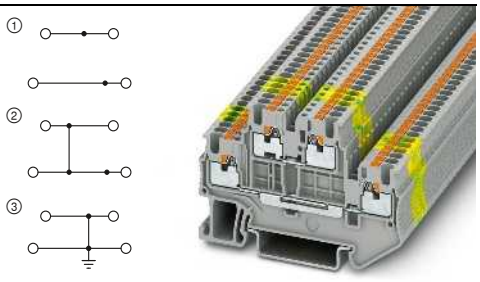
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 86.

For information on installation and using accessories for Ex applications, see page 602.





17.5 A, feed-through terminal block, 4 connections

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**63.2**	**32 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 1,5/S-QUATTRO**	①	**3208197**	50
	blue	**PT 1,5/S-QUATTRO BU**	①	**3208208**	50
with interrupted current bar	gray	**PT 1,5/S-QUATTRO-U**	②	**3208359**	50
with potential distribution	gray				
Ground terminal	green-yellow	**PT 1,5/S-QUATTRO-PE**	③	**3208333**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 1,5/S-QUATTRO**	**3208375**	50

16 A, double-level terminal block, 4 connections

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**65.4**	**42.6 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**500**	**0.14 - 1.5**	**26-14**
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	16 / 1.5	15 / -	15 / -	14.5 / 1.5

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTB 1,5/S	①	**3208511**	50
PTTB 1,5/S BU	①	**3208524**	50
PTTB 1,5/S-PV	②	**3208540**	50
PTTB 1,5/S-PE	③	**3208537**	50

Accessories[1])

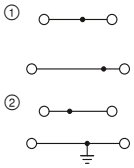
D-PTTB 1,5/S	**3208579**	50

1.5 mm² PT... push-in connection terminal blocks

Multi-level terminal blocks

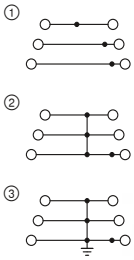
Notes:

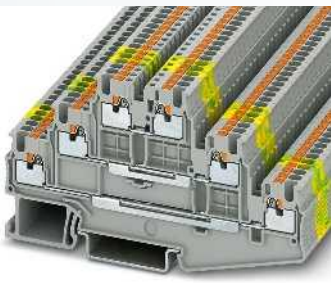
[1]) For additional accessories and technical data, see page 86.





16 A, double-level terminal block, 4 connections





15 A, multi-level terminal block, 6 connections

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		3.5	**65.4**	**42.6 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		16	**500**	**0.14 - 1.5 / 26-14**
Max. bridge current	[A]	17.5		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	16 / 1.5	15 / -	15 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTTB 1,5/S-L/N**	[1]	**3208544**	50
	blue				
	gray	**PTTB 1,5/S-PE/L**	[2]	**3208553**	50
upper level blue	gray	**PTTB 1,5/S-PE/N**	[2]	**3208566**	50
with potential distribution	gray				
Ground terminal	green-yellow				

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTTB 1,5/S**	**3208579**	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		3.5	**97.2**	**53.2 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		15	**500**	**0.14 - 1.5 / 26-14**
Max. bridge current	[A]	17.5		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	15 / 1.5	15 / -	15 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 1,5/S-3L**	[1]	**3213713**	50
		PT 1,5/S-3L BU	[1]	**3213726**	50
		PT 1,5/S-3PV	[2]	**3213742**	50
		PT 1,5/S-3PE	[3]	**3213739**	50

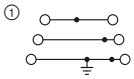
Accessories[1])

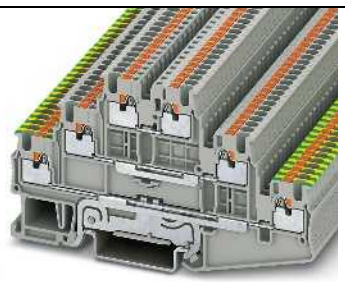
Cover, width 2.2 mm	gray	**D-PT 1,5/S-3L**	**3113771**	50

Multi-level terminal blocks

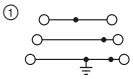
Notes:

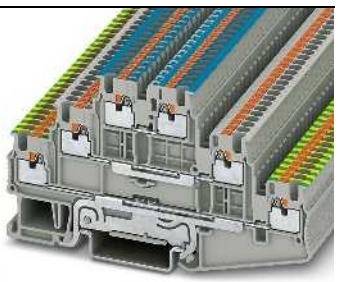
[1]) For additional accessories and technical data, see page 86.





15 A, multi-level terminal block with PE foot





15 A, multi-level terminal block with PE foot, upper level printed blue

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		3.5	**97.2**	**53.2 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		15	**500**	**0.14 - 1.5 / 26-14**
Max. bridge current	[A]	17.5		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	15 / 1.5	15 / -	15 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 1,5/S-PE/L/L**	[1]	**3213768**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 1,5/S-3L**	**3113771**	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		3.5	**97.2**	**53.2 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		15	**500**	**0.14 - 1.5 / 26-14**
Max. bridge current	[A]	17.5		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	15 / 1.5	15 / -	15 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 1,5/S-PE/L/N**	[1]	**3213755**	50

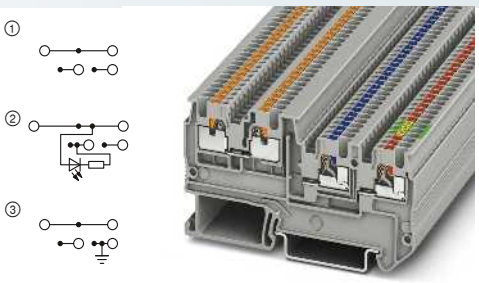
Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 1,5/S-3L**	**3113771**	50

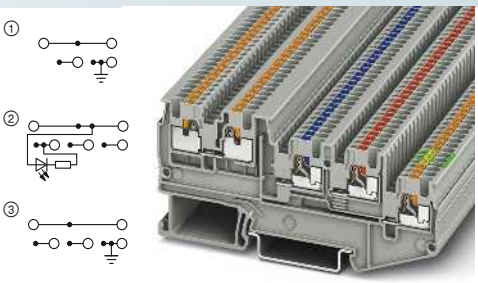
Initiator/actuator terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 86.



13.5 A, three-conductor initiator terminal block



13.5 A, four-conductor actuator terminal block

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**3.5**	**74.4**	**41.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		13.5	**250**	**0.14 - 1.5**	**26-14**
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	13.5 / 1.5	15	15	-

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**3.5**	**90.8**	**41.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		13.5	**250**	**0.14 - 1.5**	**26-14**
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	13.5 / 1.5	15	15	-

Description	Color	Ordering data Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTIO 1,5/S/3**	①	**3244410**	50
Red LED, 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level	gray	**PTIO 1,5/S/3-LED 24 RD**	②	**3244423**	50
Green LED, 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level	gray	**PTIO 1,5/S/3-LED 24 GN**	②	**3244436**	50
Terminal block, with PE connection	gray	**PTIO 1,5/S/3-PE**	③	**3244449**	50
Accessories[1])					
Cover, width 2.2 mm	gray	**D-PTIO 1,5/S/3**		**3244575**	50

Ordering data Type		Order No.	Pcs. / Pkt.
PTIO 1,5/S/4	①	**3244452**	50
PTIO 1,5/S/4-LED 24 RD	②	**3244517**	50
PTIO 1,5/S/4-LED 24 GN	②	**3244520**	50
PTIO 1,5/S/4-PE	③	**3244465**	50
Accessories[1])			
D-PTIO 1,5/S/4		**3244588**	50

Power terminals

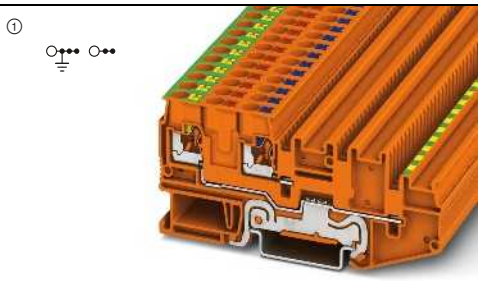
Notes:

[1]) For additional accessories and technical data, see page 86.

[2]) In the case of central power feed.



2.5 (4) mm², 20 A, power terminal



2.5 (4) mm², 20 A, power terminal with PE foot

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**7**	**74.4**	**41.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20[2])	**250**	**0.2 - 4**	**24-12**
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16	16	-
Rated cross section	[mm²]	2.5			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.2 - 2.5	0.2 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
Plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**7**	**90.8**	**41.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20[2])	**250**	**0.2 - 4**	**24-12**
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	-	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	16	-
Rated cross section	[mm²]	2.5			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.2 - 2.5	0.2 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
Plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5

Description	Color	Ordering data Type		Order No.	Pcs. / Pkt.
Power terminal	orange	**PTIO-IN 2,5/3 OG**	①	**3244559**	50
Power terminal, with PE connection	orange				
Cover, width 2.2 mm	gray	**D-PTIO 1,5/S/3**		**3244575**	50

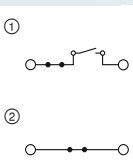
Ordering data Type		Order No.	Pcs. / Pkt.
PTIO-IN 2,5/4-PE OG	①	**3244481**	50
D-PTIO 1,5/S/4		**3244588**	50

Knife disconnect terminal blocks

Notes:

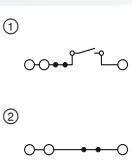
[1]) For additional accessories and technical data, see page 86.

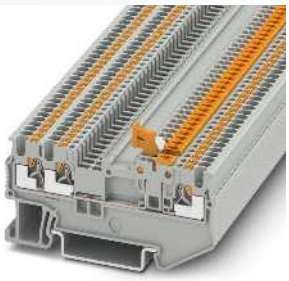
The nominal current for PT ...MTD.. terminal blocks is 17.5 A.





10 A, knife disconnect terminal block





10 A, knife disconnect terminal block, 3 connections

Technical data[1])								
Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**3.5**	**58.9**	**32 (NS 35/7,5)**		**3.5**	**67.8**	**32 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		10	**400**	**0.14 - 1.5**	**26-16**	10			
Max. bridge current	[A]	10							
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-	400	300	300	-
Nominal current / cross section	[A] / [mm²]	10 / 1.5	10	10	-	10 / 1.5	10	10	-

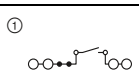
Ordering data								
Description	Color	Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PT 1,5/S-MT**	①	**3210301**	50	**PT 1,5/S-TWIN-MT**	①	**3210311**	50
	blue	**PT 1,5/S-MT BU**	①	**3210302**	50	**PT 1,5/S-TWIN-MT BU**	①	**3210312**	50
Feed-through terminal block, same shape	gray	**PT 1,5/S-MTD**	②	**3210308**	50	**PT 1,5/S-TWIN-MTD**	②	**3210317**	50
	blue	**PT 1,5/S-MTD BU**	②	**3210309**	50	**PT 1,5/S-TWIN-MTD BU**	②	**3210319**	50

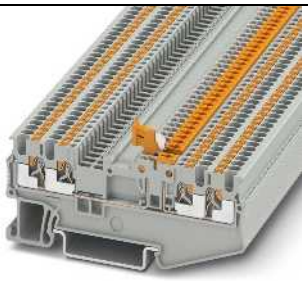
Accessories[1])					
Cover, width 0.8 mm	gray	**D-PT 1,5/S-MT-0,8**	**3210303**	50	**D-PT 1,5/S-TWIN-MT-0,8**	**3210313**	50
	orange	**D-PT 1,5/S-MT-0,8 OG**	**3210304**	50	**D-PT 1,5/S-TWIN-MT-0,8 OG**	**3210314**	50

Knife disconnect terminal blocks

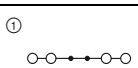
Notes:

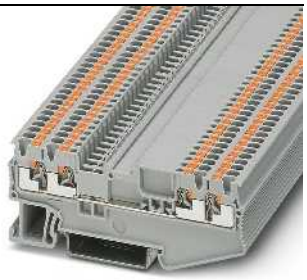
[1]) For additional accessories and technical data, see page 86.





10 A, knife disconnect terminal block, 4 connections





17.5 A, feed-through terminal block, 4 connections, same shape

Technical data[1])								
Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**3.5**	**76.9**	**32 (NS 35/7,5)**		**3.5**	**76.9**	**32 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		10	**400**	**0.14 - 1.5**	**26-16**	**17.5**	**500**	**0.14 - 1.5**	**26-16**
Max. bridge current	[A]	10				17.5			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-	500	300	300	-
Nominal current / cross section	[A] / [mm²]	10 / 1.5	10	10	-	17.5 / 1.5	10	10	-

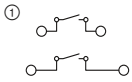
Ordering data								
Description	Color	Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PT 1,5/S-QUATTRO-MT**	①	**3210321**	50				
	blue	**PT 1,5/S-QUATTRO-MT BU**	①	**3210322**	50				
Feed-through terminal block, same shape	gray					**PT 1,5/S-QUATTRO-MTD**	①	**3210328**	50
	blue					**PT 1,5/S-QUATTRO-MTD BU**	①	**3210329**	50

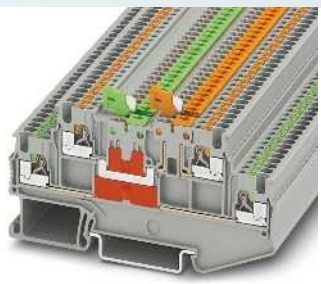
Accessories[1])							
Cover, width 0.8 mm	gray	**D-PT 1,5/S-QUATTRO-MT-0,8**	**3210333**	50	**D-PT 1,5/S-QUATTRO-MT-0,8**	**3210333**	50
	orange	**D-PT 1,5/S-QUATTRO-MT-0,8 OG**	**3210334**	50	**D-PT 1,5/S-QUATTRO-MT-0,8 OG**	**3210334**	50

Knife disconnect terminal blocks

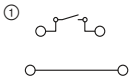
Notes:

[1]) For additional accessories and technical data, see page 86.





9 A, double-level knife disconnect terminal block, both levels can be disconnected





9 A, double-level knife disconnect terminal block, top level can be disconnected

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**86**	**42.6 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		9	**400**	**0.14 - 1.5**	**26-16**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	9 / 1.5	10	10	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PTT 1,5/S-2MT**	①	**3210351**	50
	blue	**PTT 1,5/S-2MT BU**	①	**3210352**	50

Accessories[1])

Cover, width 0.8 mm	gray	**D-PTT 1,5/S-2MT-0,8**	**3210353**	50
	orange	**D-PTT 1,5/S-2MT-0,8 OG**	**3210354**	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**86**	**42.6 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		9	**400**	**0.14 - 1.5**	**26-16**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	9 / 1.5	10	10	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PTT 1,5/S-L/MT**	①	**3210341**	50
	blue	**PTT 1,5/S-L/MT BU**	①	**3210342**	50

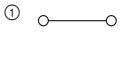
Accessories[1])

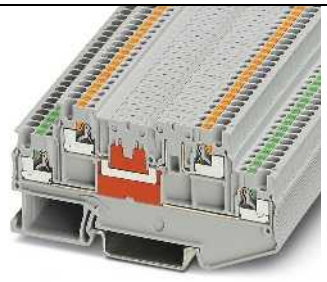
Cover, width 0.8 mm	gray	**D-PTT 1,5/S-2MT-0,8**	**3210353**	50
	orange	**D-PTT 1,5/S-2MT-0,8 OG**	**3210354**	50

Double-level terminal block, same shape

Notes:

[1]) For additional accessories and technical data, see page 86.





9 A, double-level terminal block, same shape

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**86**	**42.6 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		9	**400**	**0.14 - 1.5**	**26-16**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	9 / 1.5	10	10	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTT 1,5/S-2L**	①	**3210356**	50
	blue	**PTT 1,5/S-2L BU**	①	**3210357**	50

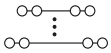
Accessories[1])

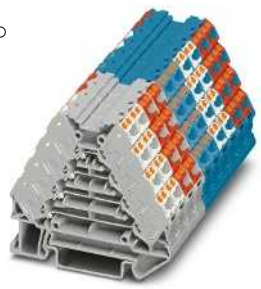
Cover, width 0.8 mm	gray	**D-PTT 1,5/S-2MT-0,8**	**3210353**	50
	orange	**D-PTT 1,5/S-2MT-0,8 OG**	**3210354**	50

Marshalling terminal, four levels

new







10 A, marshalling terminal, 16 connections

- Maximum signal density and up to 20% less space required thanks to the compact design
- Easy and tool-free wiring thanks to push-in connection
- Freely configurable color assignment for conductors and terminal points, enabling intuitive and safe installation
- Four conductors up to 2.5 mm² can be connected to one potential by means of the double connection
- Convenient testing by means of freely accessible 2.3 mm test connections centered between the connection points
- Large-surface, pitch-free marking for matrix identification
- Easy potential distribution with jumpers and 6 mm² supply
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Cabling duct combs can be snapped on as an option
- FTRV versions are available without actuation lever

Technical data

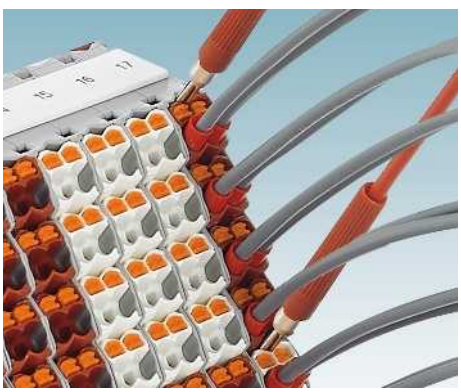
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.3	**64**	**55.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		10	**250**	**0.14 - 2.5** / **-**
Rated data		IEC 60947-7-1 / IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	10 / 1.5	-	-	-
Cross section range	AWG	26 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Plug-in connection cross sections	[mm²]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling terminal, white chambers	gray	**PTRV 4 /WH**	**3270115**	10
Chambers: red	gray	**PTRV 4 /RD**	**3270121**	10
Chambers: blue	blue	**PTRV 4 BU/BU**	**3270118**	10
Chambers: white	blue	**PTRV 4 BU/WH**	**3270119**	10
Chambers: red	blue	**PTRV 4 BU/RD**	**3270120**	10
Marshalling terminal, without actuation lever, white chambers	gray	**FTRV 4 /WH**	**3270169**	10
Chambers: red	gray	**FTRV 4 /RD**	**3270175**	10
Chambers: blue	blue	**FTRV 4 BU/BU**	**3270172**	10
Chambers: white	blue	**FTRV 4 BU/WH**	**3270173**	10
Chambers: red	blue	**FTRV 4 BU/RD**	**3270174**	10

Accessories

Spacer plate, width: 8.3 mm	gray	**DP-PTRV 4**	**3270163**	10
Cover, can be grouped, unprinted	white	**D-PTRV 4 WH**	**3270151**	10
printed: 1-4	white	**D-PTRV 4 WH 1-4**	**3270152**	10
printed: A-D	white	**D-PTRV 4 WH A-D**	**3270153**	10
Cable duct comb, can be snapped on	gray	**CDC-PTRV**	**3270167**	10
Marking for DP-PTRV ... spacer plate, unprinted	white	**ZBF 6/9,2 S8:UNBEDRUCKT**	**0803447**	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**	**0803450**	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**	**0803451**	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**	**0803448**	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**	**0803449**	10
marked according to customer specifications	white	**ZBF 6/9,2 S8 CUS**	**8191575**	1
Marking for PTRV terminal, unprinted	white	**ZB 8,3:UNBEDRUCKT**	**0803444**	10
printed horizontally, with consecutive numbers, e.g., 1-10, 11-20	white	**ZB 8,3,LGS:FORTL.ZAHLEN**	**0803480**	10
printed vertically, with consecutive numbers, e.g., 1-10, 11-20	white	**ZB 8,3,QR:FORTL.ZAHLEN**	**0803479**	10



Potential distributor, four levels

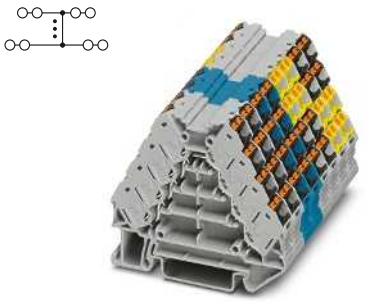
new

new

- Potential distributions with up to 16 connections can be implemented with the PTRV ...-PV terminal block
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Easy potential distribution with jumpers and 6 mm² supply

Notes:

[1]) Nominal current of 17.5 A. 16 connections



17.5 A, potential distributor, 16 connections



32 A, potential distributor, 11 connections, with supply, can be bridged

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.3**	**64**	**55.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**250**	**0.14 - 2.5**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	-	-	-
Cross section range	AWG	26 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Plug-in connection cross sections	[mm²]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5
Rated data, feed		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Cross section range	AWG	-	-	-	-
Supply connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	-	-	-
Plug-in connection cross sections	[mm²]	-	-	-	-

Technical data

		Width	Length	Height NS 35/7,5	
		8.3	**64**	**55.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**250**	**0.14 - 2.5**	**-**
		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
		250	-	-	-
		17.5 / 1.5	-	-	-
		26 - 12	-	-	-
		solid	stranded	Ferrule without/with plastic sleeve	
		0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
		0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
		32 / 4	-	-	-
		12 - 8	-	-	-
		solid	stranded	Ferrule without/with plastic sleeve	
		2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6
		2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Potential distributor, black chambers	gray	**PTRV 4-PV /BK**	**3270125**	10
Chambers: black	blue	**PTRV 4-PV BU/BK**	**3270126**	10
Potential distributor, top two chambers yellow, bottom two chambers black	gray	**PTRV 4-FE /YEBK**	**3270130**	10
top two chambers black, bottom two chambers yellow	gray	**PTRV 4-FE /BKYE**	**3270131**	10
Potential distributor, with supply	gray			
Potential distributor[1])	gray			
Potential distributor, without actuation lever, black chambers	gray	**FTRV 4-PV /BK**	**3270178**	10
Chambers: black		**FTRV 4-PV BU/BK**	**3270181**	10
Potential distributor, without actuation lever, top two chambers yellow, bottom two chambers black	gray	**FTRV 4-FE /YEBK**	**3270184**	10
top two chambers black, bottom two chambers yellow	gray	**FTRV 4-FE /BKYE**	**3270185**	10
Potential distributor, with supply	gray			
Potential distributor[1])	gray			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTRVB 4-FI	**3270158**	10
PTRVB 4-PV	**3270157**	10
FTRVB 4-FI	**3270208**	10
FTRVB 4-PV	**3270207**	10

Accessories

Spacer plate, width: 8.3 mm	gray	**DP-PTRV 4**	**3270163**	10
Cover, can be grouped, unprinted	white	**D-PTRV 4 WH**	**3270151**	10
printed: 1-4	white	**D-PTRV 4 WH 1-4**	**3270152**	10
printed: A-D	white	**D-PTRV 4 WH A-D**	**3270153**	10
Cont. jumper, 500 mm long, isolated, can be cut to length, for potential distribution				
Nominal current: 32 A	red			
	gray			
Marking for DP-PTRV ... spacer plate, unprinted	white	**ZBF 6/9,2 S8:UNBEDRUCKT**	**0803447**	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**	**0803450**	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**	**0803451**	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**	**0803448**	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**	**0803449**	10
marked according to customer specifications	white	**ZBF 6/9,2 S8 CUS**	**8191575**	1

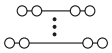
Accessories

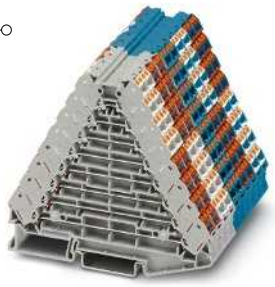
DP-PTRV 4	**3270163**	10
D-PTRV 4 WH	**3270151**	10
D-PTRV 4 WH 1-4	**3270152**	10
D-PTRV 4 WH A-D	**3270153**	10
FBST 500-PLC RD	**2966786**	20
FBST 500-PLC GY	**2966838**	20
ZBF 6/9,2 S8:UNBEDRUCKT	**0803447**	10
ZBF 6/9,2 S8,LGS:1-8	**0803450**	10
ZBF 6/9,2 S8,LGS:A-H	**0803451**	10
ZBF 6/9,2 S8,QR:1-8	**0803448**	10
ZBF 6/9,2 S8,QR:A-H	**0803449**	10
ZBF 6/9,2 S8 CUS	**8191575**	1

Marshalling terminal, eight levels

new







8 A, marshalling terminal, 32 connections

- Maximum signal density and up to 20% less space required thanks to the compact design
- Easy and tool-free wiring thanks to push-in connection
- Freely configurable color assignment for conductors and terminal points, enabling intuitive and safe installation
- Four conductors up to 2.5 mm² can be connected to one potential by means of the double connection
- Convenient testing by means of freely accessible 2.3 mm test connections centered between the connection points
- Large-surface, pitch-free marking for matrix identification
- Easy potential distribution with jumpers and 6 mm² supply
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Cabling duct combs can be snapped on as an option
- FTRV versions are available without actuation lever

Technical data

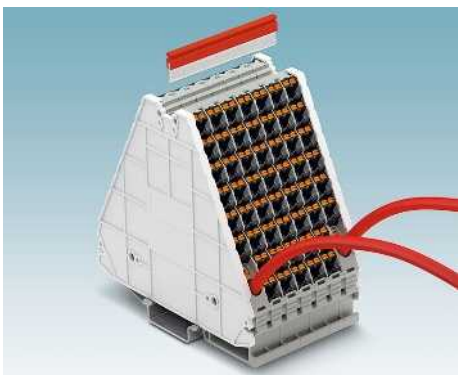
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.3	**100**	**87.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		8	**250**	**0.14 - 2.5** / **-**
Rated data		IEC 60947-7-1 IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	8 / 1.5	-	- / -
Cross section range	AWG	26 - 12	-	- / -
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Plug-in connection cross sections	[mm²]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5 / 0.34 - 1.5

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling terminal, top four chambers white, bottom four chambers red	gray	**PTRV 8 /WHRD**	**3270133**	10
top four chambers red, bottom four chambers white	gray	**PTRV 8 /RDWH**	**3270137**	10
Chambers: blue	blue	**PTRV 8 BU/BU**	**3270136**	10
top four chambers white, bottom four chambers red	blue	**PTRV 8 BU/WHRD**	**3270134**	10
top four chambers red, bottom four chambers white	blue	**PTRV 8 BU/RDWH**	**3270135**	10
Marshalling terminal, without actuation lever, top four chambers white, bottom four chambers red	gray	**FTRV 8 /WHRD**	**3270187**	10
top four chambers red, bottom four chambers white	gray	**FTRV 8 /RDWH**	**3270193**	10
Chambers: blue	blue	**FTRV 8 BU/BU**	**3270190**	10
top four chambers white, bottom four chambers red	blue	**FTRV 8 BU/WHRD**	**3270191**	10
top four chambers red, bottom four chambers white	blue	**FTRV 8 BU/RDWH**	**3270192**	10

Accessories

Spacer plate, width: 8.3 mm	gray	**DP-PTRV 8**	**3270166**	10
Cover, can be grouped, unprinted	white	**D-PTRV 8 WH**	**3270154**	10
printed: 1-8	white	**D-PTRV 8 WH 1-8**	**3270155**	10
printed: A-H	white	**D-PTRV 8 WH A-H**	**3270156**	10
Cable duct comb, can be snapped on	gray	**CDC-PTRV**	**3270167**	10
Marking for DP-PTRV ... spacer plate, unprinted	white	**ZBF 6/9,2 S8:UNBEDRUCKT**	**0803447**	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**	**0803450**	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**	**0803451**	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**	**0803448**	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**	**0803449**	10
marked according to customer specifications	white	**ZBF 6/9,2 S8 CUS**	**8191575**	1
Marking for PTRV terminal, unprinted	white	**ZB 8,3:UNBEDRUCKT**	**0803444**	10
printed horizontally, with consecutive numbers, e.g., 1-10, 11-20	white	**ZB 8,3,LGS:FORTL.ZAHLEN**	**0803480**	10
printed vertically, with consecutive numbers, e.g., 1-10, 11-20	white	**ZB 8,3,QR:FORTL.ZAHLEN**	**0803479**	10



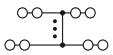
Potential distributor, eight levels

- Potential distributions with up to 32 connections can be implemented with the PTRV ...-PV terminal block
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Easy potential distribution with jumpers and 6 mm² supply

Notes:

[1]) Nominal current of 17.5 A. 32 connections

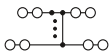
new





17.5 A, potential distributor, 32 connections

new





32 A, potential distributor, 29 connections, with supply, can be bridged

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.3**	**100**	**87.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**250**	**0.14 - 2.5**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	-	-	-
Cross section range	AWG	26 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Plug-in connection cross sections	[mm²]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5
Rated data, feed		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Cross section range	AWG	-	-	-	-
Supply connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	-	-	-
Plug-in connection cross sections	[mm²]	-	-	-	-

Technical data

		Width	Length	Height NS 35/7,5	
		8.3	**100**	**87.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**250**	**0.14 - 2.5**	**-**
		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
		250	-	-	-
		17.5 / 1.5	-	-	-
		26 - 12	-	-	-
		solid	stranded	Ferrule without/with plastic sleeve	
		0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
		0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
		32 / 4	-	-	-
		12 - 8	-	-	-
		solid	stranded	Ferrule without/with plastic sleeve	
		2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6
		2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Potential distributor, black chambers	gray	**PTRV 8-PV /BK**	**3270142**	10
Chambers: black	blue	**PTRV 8-PV BU/BK**	**3270145**	10
Potential distributor, top four chambers yellow, bottom four chambers black	gray	**PTRV 8-FE /YEBK**	**3270148**	10
top four chambers black, bottom four chambers yellow	gray	**PTRV 8-FE /BKYE**	**3270149**	10
Potential distributor, with supply	gray			
Potential distributor[1])	gray			
Potential distributor, without actuation lever, black chambers	gray	**FTRV 8-PV /BK**	**3270194**	10
Chambers: black		**FTRV 8-PV BU/BK**	**3270196**	10
Potential distributor, without actuation lever,top four chambers yellow, bottom four chambers black	gray	**FTRV 8-FE /YEBK**	**3270202**	10
top four chambers black, bottom four chambers yellow	gray	**FTRV 8-FE /BKYE**	**3270204**	10
Potential distributor, with supply	gray			
Potential distributor[1])	gray			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTRVB 8-FI	**3270160**	10
PTRVB 8-PV	**3270159**	10
FTRVB 8-FI	**3270210**	10
FTRVB 8-PV	**3270209**	10

Accessories

Spacer plate, width: 8.3 mm	gray	**DP-PTRV 8**	**3270166**	10
Cover, can be grouped, unprinted	white	**D-PTRV 8 WH**	**3270154**	10
printed: 1-8	white	**D-PTRV 8 WH 1-8**	**3270155**	10
printed: A-H	white	**D-PTRV 8 WH A-H**	**3270156**	10
Cont. jumper, 500 mm long, isolated, can be cut to length, for potential distribution				
Nominal current: 32 A	red			
	gray			
Cable duct comb, can be snapped on	gray	**CDC-PTRV**	**3270167**	10
Marking for DP-PTRV ... spacer plate, unprinted	white	**ZBF 6/9,2 S8:UNBEDRUCKT**	**0803447**	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**	**0803450**	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**	**0803451**	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**	**0803448**	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**	**0803449**	10
marked according to customer specifications	white	**ZBF 6/9,2 S8 CUS**	**8191575**	1

Accessories

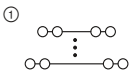
Type	Order No.	Pcs. / Pkt.
DP-PTRV 8	**3270166**	10
D-PTRV 8 WH	**3270154**	10
D-PTRV 8 WH 1-8	**3270155**	10
D-PTRV 8 WH A-H	**3270156**	10
FBST 500-PLC RD	**2966786**	20
FBST 500-PLC GY	**2966838**	20
ZBF 6/9,2 S8:UNBEDRUCKT	**0803447**	10
ZBF 6/9,2 S8,LGS:1-8	**0803450**	10
ZBF 6/9,2 S8,LGS:A-H	**0803451**	10
ZBF 6/9,2 S8,QR:1-8	**0803448**	10
ZBF 6/9,2 S8,QR:A-H	**0803449**	10
ZBF 6/9,2 S8 CUS	**8191575**	1

Marshalling terminals for free assembly

Notes:

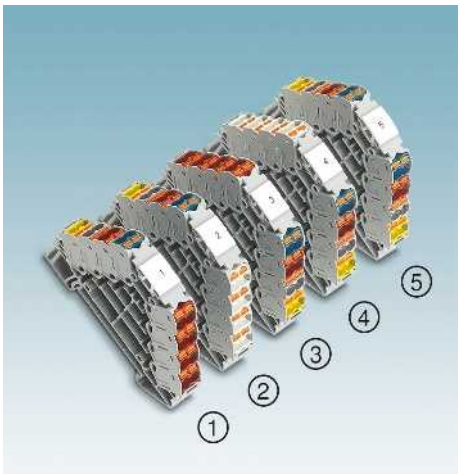
For technical data and accessories, see page 92.

new

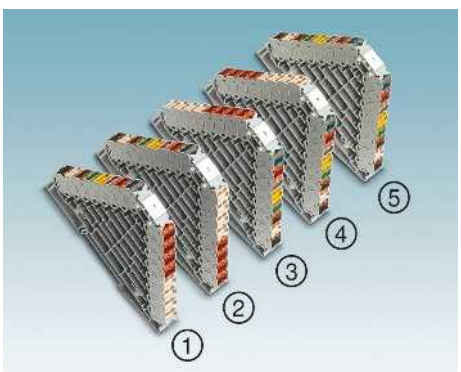




Marshalling terminal, color configuration according to customer specifications



- **The marshalling terminals can be easily configured and ordered with just a click of the mouse in the product area on our website at phoenixcontact.net/products.**
- **To order via fax or e-mail, please use the ordering data as shown in the ordering example on the following page**
- Freely configurable marshalling terminal with eleven colors to choose from
- Level-based color configuration
- Various combinations possible for creating a marshalling pitch



Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
① **Marshalling terminal,** 4-pos., left side color can be freely configured, right side color: red	gray	**PTRV 4 /COL-RD**	①	**3001754**	1
② Left side color can be freely configured, right side color: white	gray	**PTRV 4 /COL-WH**	①	**3001871**	1
③ Left side color: red, right side color can be freely configured	gray	**PTRV 4 /RD-COL**	①	**3001872**	1
④ Left side color: white, right side color can be freely configured	gray	**PTRV 4 /WH-COL**	①	**3001874**	1
⑤ Left and right side colors can be freely configured, same colors on each level	gray	**PTRV 4 /COL-COL**	①	**3001875**	1
① **Marshalling terminal,** 8-pos., left side color can be freely configured, right: upper 4 chambers red, lower 4 chambers white	gray	**PTRV 8 /COL-RDWH**	①	**3001851**	1
② Left side color can be freely configured, right: upper 4 chambers: white, lower 4 chambers: red	gray	**PTRV 8 /COL-WHRD**	①	**3001876**	1
② Left: upper 4 chambers: red, lower 4 chambers: white, right side color can be freely configured	gray	**PTRV 8 /RDWH-COL**	①	**3001877**	1
④ Left: upper 4 chambers: white, lower 4 chambers: red, right side color can be freely configured	gray	**PTRV 8 /WHRD-COL**	①	**3001878**	1
⑤ Left and right side colors can be freely configured, same colors on each level	gray	**PTRV 8 /COL-COL**	①	**3001879**	1
① **Marshalling terminal,** without actuation lever, 4-pos., left side color can be freely configured, right side color: red	gray	**FTRV 4 /COL-RD**	①	**3001760**	1
② Left side color can be freely configured, right side color: white	gray	**FTRV 4 /COL-WH**	①	**3001880**	1
③ Left side color: red, right side color can be freely configured	gray	**FTRV 4 /RD-COL**	①	**3001881**	1
④ Left side color: white, right side color can be freely configured	gray	**FTRV 4 /WH-COL**	①	**3001882**	1
⑤ Left and right side colors can be freely configured, same colors on each level	gray	**FTRV 4 /COL-COL**	①	**3001883**	1
① **Marshalling terminal,** without actuation lever, 8-pos., left side color can be freely configured, right: upper 4 chambers: red, lower 4 chambers: white	gray	**FTRV 8 /COL-RDWH**	①	**3001852**	1
② Left side color can be freely configured, right: upper 4 chambers: white, lower 4 chambers: red	gray	**FTRV 8 /COL-WHRD**	①	**3001884**	1
② Left: upper 4 chambers: red, lower 4 chambers: white, right side color can be freely configured	gray	**FTRV 8 /RDWH-COL**	①	**3001885**	1
④ Left: upper 4 chambers: white, lower 4 chambers: red, right side color can be freely configured	gray	**FTRV 8 /WHRD-COL**	①	**3001887**	1
⑤ Left and right side colors can be freely configured, same colors on each level	gray	**FTRV 8 /COL-COL**	①	**3001888**	1

Ordering example: configured marshalling terminal

Ordering example:
A marshalling terminal with eight levels should be configured as follows according to DIN VDE 0815:

The right side is marked red in the upper levels 1 - 4, and the lower levels 5 - 8 are marked white.
Please select order number 3001851 from the configurable items.
The levels on the left side should be colored.

Level 1: blue
Level 2: red
Level 3: gray
Level 4: yellow
Level 5: green
Level 6: brown
Level 7: white
Level 8: black

Specify the color sequence when ordering, as illustrated below in the ordering example.

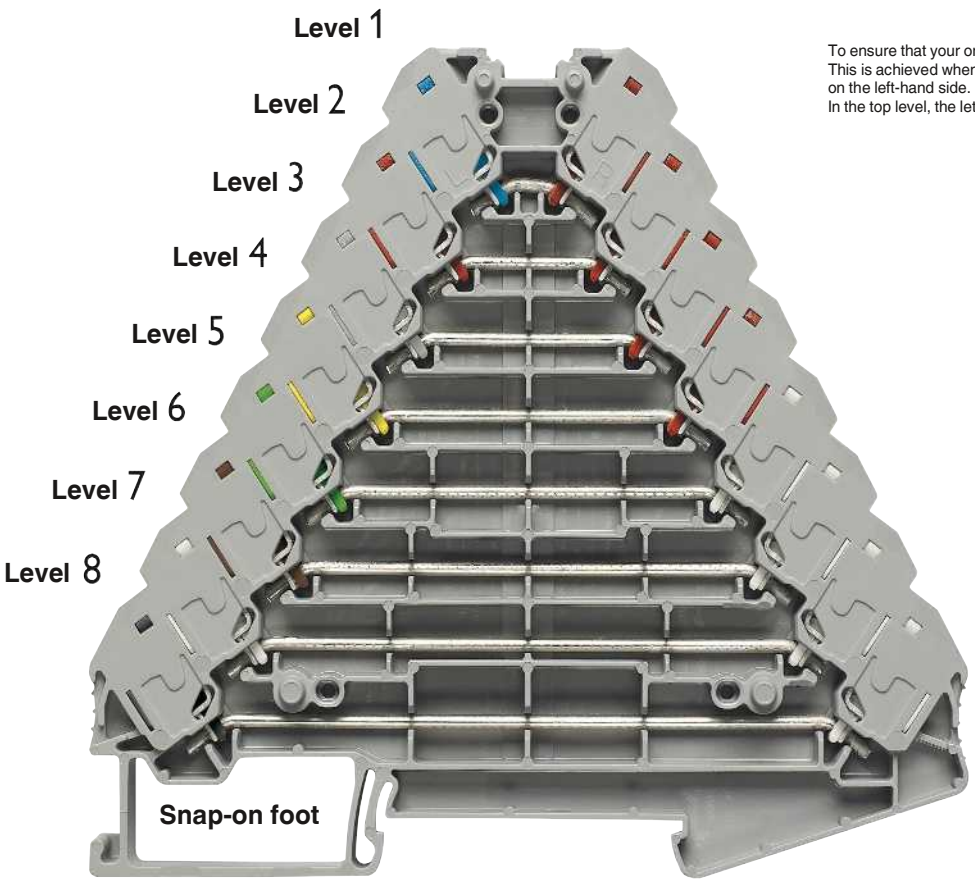
Available colors:

BU	Blue
RD	Red
GY	Gray
YE	Yellow
GN	Green
BN	Brown
WH	White
BK	Black
VT	Violet
OG	Orange
PK	Pink



The ordering data for this ordering example is therefore:

Order No.	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
3001851	BU	RD	GY	YE	GN	BN	WH	BK



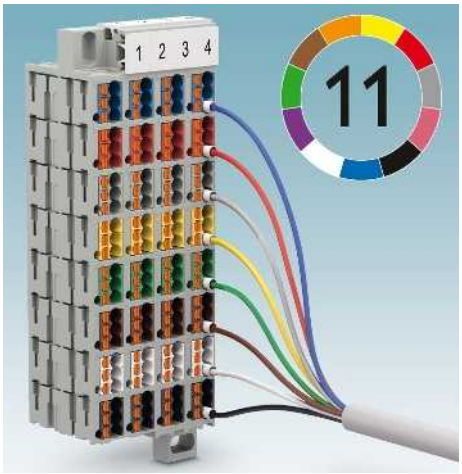
To ensure that your order is correct, you need a defined view.
This is achieved when the snap-on foot in the top view is located on the left-hand side.
In the top level, the letter L is visible.



Marshalling patchboards, for self-assembly



The modular design allows the exact number of positions to be configured for a specific application. Up to 20% greater signal density thanks to the compact design.
– The elements snap in easily and securely
– The construction is made up of blocks, making it extremely stable and warp resistant



Freely configurable color assignment for conductors and terminal points, enabling intuitive and safe installation. Terminal point coding with eleven colors to choose from.



Optional snap-on adapters enable easy mounting on standard DIN rails.



Adapters can be directly mounted on panel cutouts or 19" racks.

Notes:
¹) Derating curve available on request.

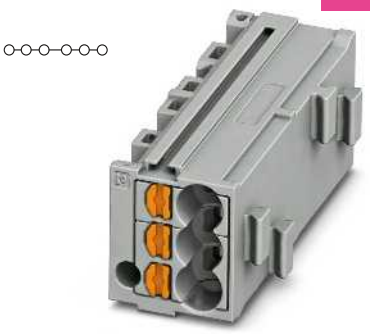
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Plug-in connection cross sections	[mm²]

Description	Color
Marshalling patchboard, single element, gray chamber	gray
Chambers: white	gray
Chambers: blue	gray
Chambers: red	gray
Chambers: green	gray
Chambers: brown	gray
Chambers: black	gray
Chambers: violet	gray
Chambers: orange	gray
Chambers: yellow	gray
Chambers: pink	gray
Marshalling patchboard, without actuation lever, single element, gray chamber	gray
Chambers: white	gray
Chambers: blue	gray
Chambers: red	gray
Chambers: green	gray
Chambers: brown	gray
Chambers: black	gray
Chambers: violet	gray
Chambers: orange	gray
Chambers: yellow	gray
Chambers: pink	gray

Cover flange, for direct mounting above	gray
Cover flange, for direct mounting below	gray
Adapter, for mounting on a DIN rail	black
Marker adapter, for holding the marking	gray
Test plug metal part, 2.3 mm Ø	silver
Insulating sleeve, for MPS metal part	red

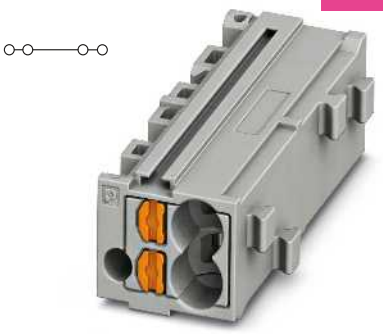
Marking

new



22 A, single element, 6 connections

new



22 A, single element, 4 connections

Technical data

Width	Length	Height	
11	**12.2**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1])	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs. / Pkt.
PTMC 1,5-3 /GY	**3270300**	10
PTMC 1,5-3 /WH	**3270301**	10
PTMC 1,5-3 /BU	**3270420**	10
PTMC 1,5-3 /RD	**3270421**	10
PTMC 1,5-3 /GN	**3270422**	10
PTMC 1,5-3 /BN	**3270423**	10
PTMC 1,5-3 /BK	**3270424**	10
PTMC 1,5-3 /VT	**3270425**	10
PTMC 1,5-3 /OG	**3270426**	10
PTMC 1,5-3 /YE	**3270427**	10
PTMC 1,5-3 /PK	**3270428**	10
FTMC 1,5-3 /GY	**3270340**	10
FTMC 1,5-3 /WH	**3270341**	10
FTMC 1,5-3 /BU	**3270440**	10
FTMC 1,5-3 /RD	**3270441**	10
FTMC 1,5-3 /GN	**3270442**	10
FTMC 1,5-3 /BN	**3270443**	10
FTMC 1,5-3 /BK	**3270444**	10
FTMC 1,5-3 /VT	**3270445**	10
FTMC 1,5-3 /OG	**3270446**	10
FTMC 1,5-3 /YE	**3270447**	10
FTMC 1,5-3 /PK	**3270448**	10

Accessories

DF-PTMC-O	**3270400**	10
DF-PTMC-U	**3270401**	10
DF-PTMC-NS	**3270403**	10
DF-PTMC-ZB	**3270410**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height	
11	**8.6**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1])	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

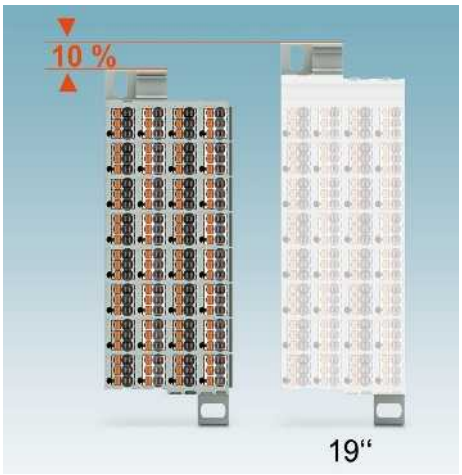
Type	Order No.	Pcs. / Pkt.
PTMC 1,5-2 /GY	**3270302**	10
PTMC 1,5-2 /WH	**3270303**	10
PTMC 1,5-2 /BU	**3270430**	10
PTMC 1,5-2 /RD	**3270431**	10
PTMC 1,5-2 /GN	**3270432**	10
PTMC 1,5-2 /BN	**3270433**	10
PTMC 1,5-2 /BK	**3270434**	10
PTMC 1,5-2 /VT	**3270435**	10
PTMC 1,5-2 /OG	**3270436**	10
PTMC 1,5-2 /YE	**3270437**	10
PTMC 1,5-2 /PK	**3270438**	10
FTMC 1,5-2 /GY	**3270342**	10
FTMC 1,5-2 /WH	**3270343**	10
FTMC 1,5-2 /BU	**3270450**	10
FTMC 1,5-2 /RD	**3270451**	10
FTMC 1,5-2 /GN	**3270452**	10
FTMC 1,5-2 /BN	**3270453**	10
FTMC 1,5-2 /BK	**3270454**	10
FTMC 1,5-2 /VT	**3270455**	10
FTMC 1,5-2 /OG	**3270456**	10
FTMC 1,5-2 /YE	**3270457**	10
FTMC 1,5-2 /PK	**3270458**	10

Accessories

DF-PTMC-O	**3270400**	10
DF-PTMC-U	**3270401**	10
DF-PTMC-NS	**3270403**	10
DF-PTMC-ZB	**3270410**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Marshalling patchboards, pre-assembled with six connections per element

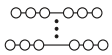


- Compact design that requires less space than 19" standard versions
- Easy and tool-free wiring thanks to push-in connection
- Six conductors up to 2.5 mm² can be connected to one potential by means of the three conductor connections
- Large marking option
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements
- Blue marshalling patchboards for use in Ex i safety circuits
- FTMC versions are available without actuation lever



Notes:

[1]) Derating curve available on request.



new



22 A, 32-pos., 192 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height
		44	102	30
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG (UL)
		22[1])	500	0.14 - 2.5 -
Rated data		IEC 60947-7-1 IEC	UL	CSA IEC/ EN 60079-7
Rated voltage	[V]	500	-	- -
Nominal current / cross section	[A] / [mm²]	17.5[1])	-	- -
Cross section range	AWG	26 - 12	-	- -
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 0.14 - 1.5
Plug-in connection cross sections	[mm²]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5 0.34 - 1.5

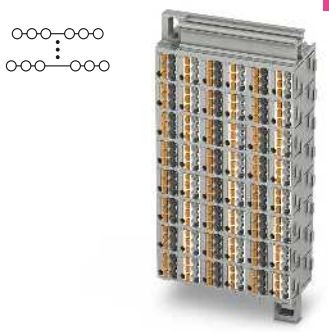
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling patchboard, 32-pos., chambers: gray/white	gray	**PTMC 1,5/32-3**	**3270310**	18
Chambers: blue	gray	**PTMC 1,5/32-3 /BU**	**3270312**	18
Marshalling patchboard, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 32-pos., chambers: gray/white	gray	**FTMC 1,5/32-3**	**3270350**	18
Chambers: blue	gray	**FTMC 1,5/32-3 /BU**	**3270352**	18
Marshalling patchboard, without actuation lever, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			

Accessories

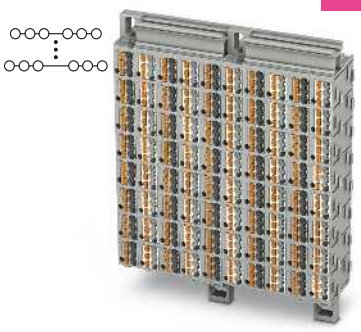
Cover flange, for direct mounting above	gray	**DF-PTMC-O**	**3270400**	10
Cover flange, for direct mounting below	gray	**DF-PTMC-U**	**3270401**	10
Adapter, for mounting on a DIN rail	black	**DF-PTMC-NS**	**3270403**	10
Marker adapter, for holding the marking	gray	**DF-PTMC-ZB**	**3270410**	10
Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Marking		**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**		

new



22 A, 48-pos., 288 connections

new



22 A, 80-pos., 480 connections

Technical data

Width	Length	Height	
66	**102**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1])	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs. / Pkt.
PTMC 1,5/48-3	**3270318**	10
PTMC 1,5/48-3 /BU	**3270320**	10
FTMC 1,5/48-3	**3270358**	10
FTMC 1,5/48-3 /BU	**3270360**	10

Accessories

DF-PTMC-O	**3270400**	10
DF-PTMC-U	**3270401**	10
DF-PTMC-NS	**3270403**	10
DF-PTMC-ZB	**3270410**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height	
110	**102**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1])	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

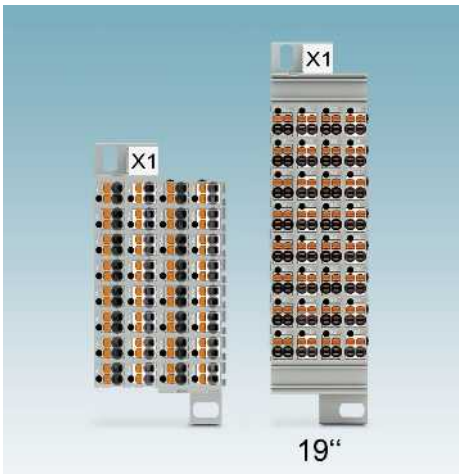
Type	Order No.	Pcs. / Pkt.
PTMC 1,5/80-3	**3270324**	6
PTMC 1,5/80-3 /BU	**3270326**	6
FTMC 1,5/80-3	**3270364**	6
FTMC 1,5/80-3 /BU	**3270366**	6

Accessories

DF-PTMC-O	**3270400**	10
DF-PTMC-U	**3270401**	10
DF-PTMC-NS	**3270403**	10
DF-PTMC-ZB	**3270410**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

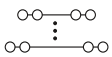
Marshalling patchboards, pre-assembled with four connections per element



- Maximum signal density with ten percent less space required than 19" standard versions
- Easy and tool-free wiring thanks to push-in connection
- Six conductors up to 2.5 mm² can be connected to one potential by means of the three conductor connections
- Large marking option
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements
- Blue marshalling patchboards for use in Ex i safety circuits
- FTMC versions are available without actuation lever

Notes:

[1]) Derating curve available on request.



new



22 A, 32-pos., 128 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height
		44	**73.2**	**30**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		22[1])	**500**	**0.14 - 2.5** / **-**
Rated data		IEC 60947-7-1 IEC	UL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	17.5[1])	-	- / -
Cross section range	AWG	26 - 12	-	- / -
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Plug-in connection cross sections	[mm²]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5 / 0.34 - 1.5

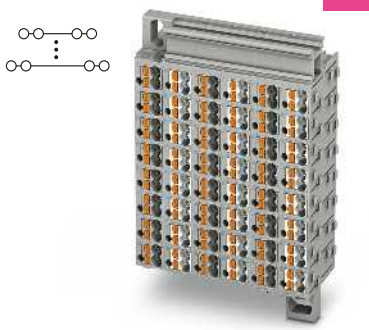
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling patchboard, 32-pos., chambers: gray/white	gray	**PTMC 1,5/32-2**	**3270314**	18
Chambers: blue	gray	**PTMC 1,5/32-2 /BU**	**3270315**	18
Marshalling patchboard, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 32-pos., chambers: gray/white	gray	**FTMC 1,5/32-2**	**3270354**	18
Chambers: blue	gray	**FTMC 1,5/32-2 /BU**	**3270355**	18
Marshalling patchboard, without actuation lever, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			

Accessories

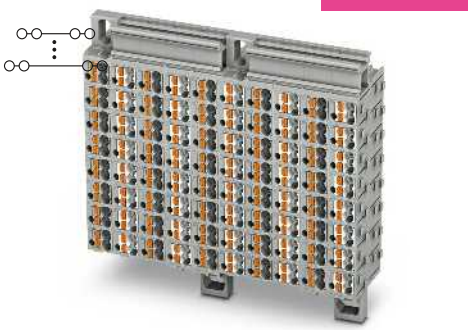
Cover flange, for direct mounting above	gray	**DF-PTMC-O**	**3270400**	10
Cover flange, for direct mounting below	gray	**DF-PTMC-U**	**3270401**	10
Adapter, for mounting on a DIN rail	black	**DF-PTMC-NS**	**3270403**	10
Marker adapter, for holding the marking	gray	**DF-PTMC-ZB**	**3270410**	10
Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Marking		**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**		

new



22 A, 48-pos., 192 connections

new



22 A, 80-pos., 320 connections

Technical data

Width	Length	Height	
66	**73.2**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1])	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs. / Pkt.
PTMC 1,5/48-2	**3270322**	10
PTMC 1,5/48-2 /BU	**3270323**	10
FTMC 1,5 /48-2	**3270362**	10
FTMC 1,5 /48-2 /BU	**3270363**	10

Accessories

DF-PTMC-O	**3270400**	10
DF-PTMC-U	**3270401**	10
DF-PTMC-NS	**3270403**	10
DF-PTMC-ZB	**3270410**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height	
110	**73.2**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1])	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

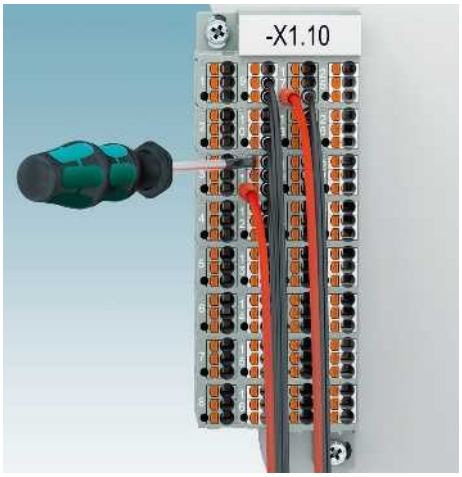
Type	Order No.	Pcs. / Pkt.
PTMC 1,5/80-2	**3270329**	6
PTMC 1,5/80-2 /BU	**3270330**	6
FTMC 1,5/80-2	**3270368**	6
FTMC 1,5/80-2 /BU	**3270369**	6

Accessories

DF-PTMC-O	**3270400**	10
DF-PTMC-U	**3270401**	10
DF-PTMC-NS	**3270403**	10
DF-PTMC-ZB	**3270410**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Marshalling patchboards for 19", six connections per element



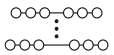
- Size according to standard DIN EN 60297-3-101 for 19" housing
- Easy and tool-free wiring thanks to push-in connection
- Six conductors up to 2.5 mm² can be connected to one potential by means of the three conductor connections
- Large marking option
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements
- Blue marshalling patchboards for use in Ex i safety circuits
- FTMC versions are available without actuation lever

PTMC 1,5/32-2H 19Z version with compact overall width of 34.4 mm and four connections per element

Notes:

[1]) Derating curve available on request.

new





22 A, 32-pos., 128 connections, 6 connections per element

Technical data

Dimensions				
	[mm]	Width	Length	Height
		44	**111**	**30**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		22[1])	**500**	**0.14 - 2.5** / **-**
Rated data		IEC 60947-7-1		
		IEC	UL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	17.5[1])	-	- / -
Cross section range	AWG	26 - 12	-	- / -
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Plug-in connection cross sections	[mm²]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5 / 0.34 - 1.5

Ordering data

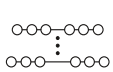
Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling patchboard, 32-pos., chambers: gray/white	gray	**PTMC 1,5/32-3 19Z**	**3270311**	18
Chambers: blue	gray	**PTMC 1,5/32-3 /BU 19Z**	**3270313**	18
Marshalling patchboard, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, 32-pos., four connections per chamber, chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 32-pos., chambers: gray/white	gray	**FTMC 1,5/32-3 19Z**	**3270351**	18
Chambers: blue	gray	**FTMC 1,5/32-3 /BU 19Z**	**3270353**	18
Marshalling patchboard, without actuation lever, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 80-pos., chambers: gray/white	gray			
	gray			
Marshalling patchboard, 32-pos., four connections per chamber, without actuation lever, chambers: gray/white	gray			
	gray			

Accessories

Cover flange, for direct mounting above	gray	**DF-PTMC-O**	**3270400**	10
Cover flange, for direct mounting below	gray	**DF-PTMC-U**	**3270401**	10
Adapter, for mounting on a DIN rail	black	**DF-PTMC-NS**	**3270403**	10
Marker adapter, for holding the marking	gray	**DF-PTMC-ZB**	**3270410**	10

Marking	UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

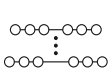
new

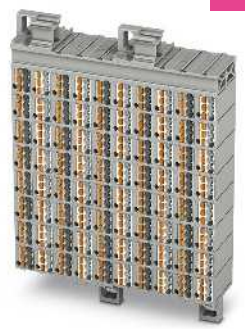




22 A, 48-pos., 288 connections, 6 connections per element

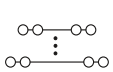
new





22 A, 80-pos., 480 connections, 6 connections per element

new





22 A, 32-pos., 128 connections

Technical data

Width	Length	Height	
66	**111**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1])	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs. / Pkt.
PTMC 1,5/48-3 19Z	**3270319**	10
PTMC 1,5/48-3 /BU 19Z	**3270321**	10
FTMC 1,5/48-3 19Z	**3270359**	10
FTMC 1,5/48-3 /BU 19Z	**3270361**	10

Accessories

DF-PTMC-O	**3270400**	10
DF-PTMC-U	**3270401**	10
DF-PTMC-NS	**3270403**	10
DF-PTMC-ZB	**3270410**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height	
110	**111**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1])	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs. / Pkt.
PTMC 1,5/80-3 19Z	**3270325**	6
PTMC 1,5/80-3 /BU 19Z	**3270327**	6
FTMC 1,5/80-3 19Z	**3270365**	6
FTMC 1,5/80-3 /BU 19Z	**3270367**	6

Accessories

DF-PTMC-O	**3270400**	10
DF-PTMC-U	**3270401**	10
DF-PTMC-NS	**3270403**	10
DF-PTMC-ZB	**3270410**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height	
34.4	**111**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1])	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs. / Pkt.
PTMC 1,5/32-2H 19Z	**3270316**	24
PTMC 1,5/32-2H /BU 19Z	**3270317**	24
FTMC 1,5/32-2H 19Z	**3270356**	24
FTMC 1,5/32-2H /BU 19Z	**3270357**	24

Accessories

DF-PTMC-O	**3270400**	10
DF-PTMC-U	**3270401**	10
DF-PTMC-NS	**3270403**	10
DF-PTMC-ZB	**3270410**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

1.5 mm² PT... push-in connection terminal blocks

Marshalling patchboards for free assembly

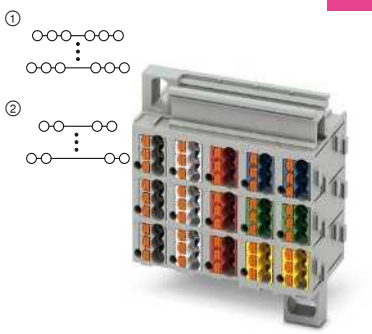
- The marshalling patchboards can be easily configured and ordered with just a click of the mouse in the product area on our website at phoenixcontact.net/products.
- To order via fax or e-mail, please use the ordering data as shown in the ordering example on the following page

Notes:

[1]) For additional accessories and technical data, see page 86.

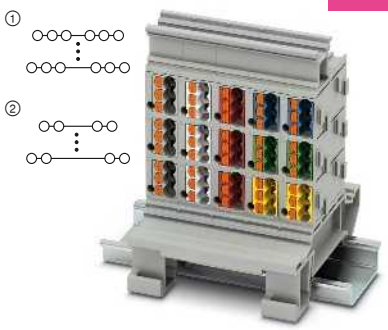
[2]) Derating curve available on request.

new



22 A, direct mounting

new



22 A, DIN rail mounting

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	-	30	16.6	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22[2])	500	0.14 - 2.5	-
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	10[2]) / 1.5	-	-	-
Cross section range	AWG	26 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Plug-in connection cross sections	[mm²]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

		Technical data[1])			
		Width	Length	Height	
		-	63	26.2 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22[2])	500	0.14 - 2.5	-
		IEC	UL / CUL	CSA	Ex
		500	-	-	-
		10[2]) / 1.5	-	-	-
		26 - 12	-	-	-
		solid	stranded	Ferrule without/with plastic sleeve	
		0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
		0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Description	Color	Ordering data			
		Type		Order No.	Pcs. / Pkt.
Marshalling patchboard, 3 connections, 1-row	gray	PTMC 1,5 /1-3 -DF	①	3001929	1
2-row	gray	PTMC 1,5 /2-3 -DF	①	3001930	1
3-row	gray	PTMC 1,5 /3-3 -DF	①	3001931	1
4-row	gray	PTMC 1,5 /4-3 -DF	①	3001932	1
5-row	gray	PTMC 1,5 /5-3 -DF	①	3001933	1
6-row	gray	PTMC 1,5 /6-3 -DF	①	3001934	1
7-row	gray	PTMC 1,5 /7-3 -DF	①	3001935	1
8-row	gray	PTMC 1,5 /8-3 -DF	①	3001936	1
Marshalling patchboard, 2 connections, 1-row	gray	PTMC 1,5 /1-2 -DF	②	3001937	1
2-row	gray	PTMC 1,5 /2-2 -DF	②	3001940	1
3-row	gray	PTMC 1,5 /3-2 -DF	②	3001942	1
4-row	gray	PTMC 1,5 /4-2 -DF	②	3001943	1
5-row	gray	PTMC 1,5 /5-2 -DF	②	3001944	1
6-row	gray	PTMC 1,5 /6-2 -DF	②	3001945	1
7-row	gray	PTMC 1,5 /7-2 -DF	②	3001946	1
8-row	gray	PTMC 1,5 /8-2 -DF	②	3001947	1
Marshalling patchboard, without actuation lever, 3 connections, 1-row	gray	FTMC 1,5 /1-3 -DF	①	3001975	1
2-row	gray	FTMC 1,5 /2-3 -DF	①	3001976	1
3-row	gray	FTMC 1,5 /3-3 -DF	①	3001977	1
4-row	gray	FTMC 1,5 /4-3 -DF	①	3001978	1
5-row	gray	FTMC 1,5 /5-3 -DF	①	3001979	1
6-row	gray	FTMC 1,5 /6-3 -DF	①	3001980	1
7-row	gray	FTMC 1,5 /7-3 -DF	①	3001981	1
8-row	gray	FTMC 1,5 /8-3 -DF	①	3001982	1
Marshalling patchboard, without actuation lever, 2 connections, 1-row	gray	FTMC 1,5 /1-2 -DF	②	3001984	1
2-row	gray	FTMC 1,5 /2-2 -DF	②	3001985	1
3-row	gray	FTMC 1,5 /3-2 -DF	②	3001986	1
4-row	gray	FTMC 1,5 /4-2 -DF	②	3001987	1
5-row	gray	FTMC 1,5 /5-2 -DF	②	3001988	1
6-row	gray	FTMC 1,5 /6-2 -DF	②	3001989	1
7-row	gray	FTMC 1,5 /7-2 -DF	②	3001990	1
8-row	gray	FTMC 1,5 /8-2 -DF	②	3001991	1

		Accessories[1])			
Cover flange, for direct mounting above	gray	DF-PTMC-O		3270400	10
Cover flange, for direct mounting below	gray	DF-PTMC-U		3270401	10
Adapter, for mounting on a DIN rail	black	DF-PTMC-NS		3270403	10
Marker adapter, for holding the marking	gray	DF-PTMC-ZB		3270410	10
Marking		UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)			

Type		Order No.	Pcs. / Pkt.
PTMC 1,5 /1-3 -NS	①	3001905	1
PTMC 1,5 /2-3 -NS	①	3001906	1
PTMC 1,5 /3-3 -NS	①	3001907	1
PTMC 1,5 /4-3 -NS	①	3001908	1
PTMC 1,5 /5-3 -NS	①	3001910	1
PTMC 1,5 /6-3 -NS	①	3001911	1
PTMC 1,5 /7-3 -NS	①	3001913	1
PTMC 1,5 /8-3 -NS	①	3001914	1
PTMC 1,5 /1-2 -NS	②	3001915	1
PTMC 1,5 /2-2 -NS	②	3001916	1
PTMC 1,5 /3-2 -NS	②	3001917	1
PTMC 1,5 /4-2 -NS	②	3001918	1
PTMC 1,5 /5-2 -NS	②	3001919	1
PTMC 1,5 /6-2 -NS	②	3001920	1
PTMC 1,5 /7-2 -NS	②	3001921	1
PTMC 1,5 /8-2 -NS	②	3001922	1
FTMC 1,5 /1-3-NS	①	3001957	1
FTMC 1,5 /2-3-NS	①	3001958	1
FTMC 1,5 /3-3-NS	①	3001959	1
FTMC 1,5 /4-3-NS	①	3001960	1
FTMC 1,5 /5-3-NS	①	3001961	1
FTMC 1,5 /6-3-NS	①	3001962	1
FTMC 1,5 /7-3-NS	①	3001963	1
FTMC 1,5 /8-3-NS	①	3001964	1
FTMC 1,5 /1-2-NS	②	3001965	1
FTMC 1,5 /2-2-NS	②	3001966	1
FTMC 1,5 /3-2-NS	②	3001968	1
FTMC 1,5 /4-2-NS	②	3001969	1
FTMC 1,5 /5-2-NS	②	3001971	1
FTMC 1,5 /6-2-NS	②	3001972	1
FTMC 1,5 /7-2-NS	②	3001973	1
FTMC 1,5 /8-2-NS	②	3001974	1

Accessories[1])			
DF-PTMC-O		3270400	10
DF-PTMC-U		3270401	10
DF-PTMC-NS		3270403	10
DF-PTMC-ZB		3270410	10
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)			

Ordering example: configurable marshalling patchboard

Ordering example:

A marshalling patchboard should be configured as follows:

Actuation lever, screw fixing of marshalling patchboard, three connections per individual element.
Four rows in the X direction and ten columns in the Y direction.

Please select Order No. 3001932 from the configurable items.
In the order designation, the 4 means -> four rows in the X direction
In the order designation, the 3 means -> three connections

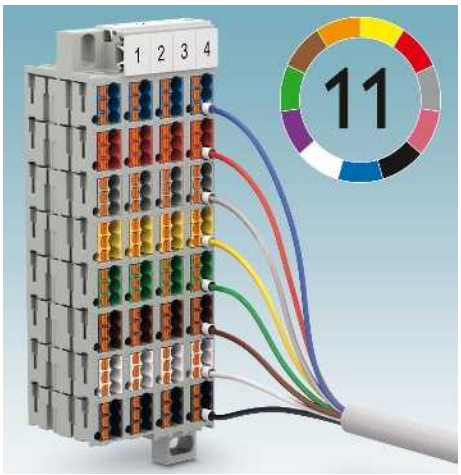
Row 1: blue
Row 2: red
Row 3: gray
Row 4: yellow

Only rows of the same color are viable in the X direction.
Please state the number of columns when ordering. A minimum of 2 columns and a maximum of 20 columns can be ordered.

Please order marker adapter, DF-PTMC-ZB Order No. 3270410, as an accessory.

Available colors:

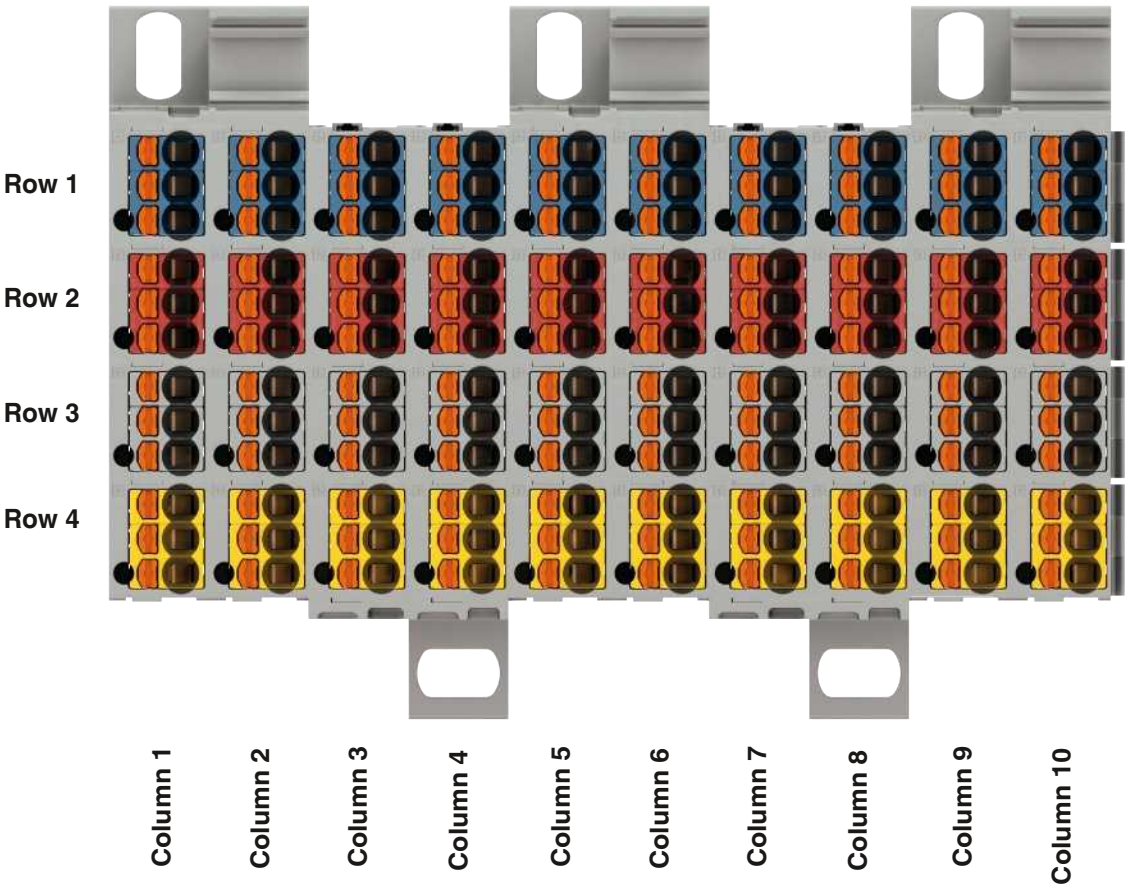
BU	Blue
RD	Red
GY	Gray
YE	Yellow
GN	Green
BN	Brown
WH	White
BK	Black
VT	Violet
OG	Orange
PK	Pink



The ordering data for this order example is therefore:

Order No.		Columns		Row 1		Row 2		Row 3		Row 4
3001932	/	10	/	BU	/	RD	/	GY	/	YE

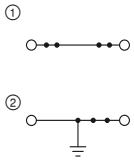
Fixing material for panel or DIN rail mounting will be supplied in sufficient quantities.

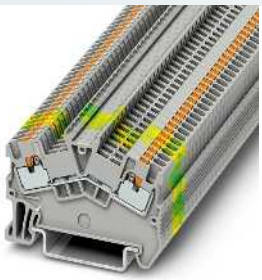


Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

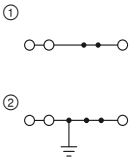
Notes:

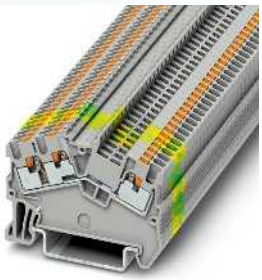
[1]) For additional accessories and technical data, see page 86.





17.5 A, feed-through terminal block





17.5 A, feed-through terminal block, 3 connections

Technical data[1])			
Dimensions			
Width	Length	Height	
3.5	50.7	38.5 (NS 35/7,5)	
[mm]			
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	500	0.14 - 1.5	26-14
Max. bridge current [A]	17.5		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	PTS 1,5/S ①	3214547	50
	blue	PTS 1,5/S BU ①	3214550	50
Ground terminal	green-yellow	PTS 1,5/S-PE ②	3214563	50

Accessories[1])			
Cover, width 2.2 mm	gray	D-PTS 1,5/S	3214576	50

Technical data[1])			
Dimensions			
Width	Length	Height	
3.5	50.7	38.5 (NS 35/7,5)	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	500	0.14 - 1.5	26-14
17.5			
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5 / 1.5	15 / -	15 / -	-

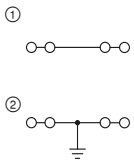
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTS 1,5/S-TWIN ①	3214589	50	
PTS 1,5/S-TWIN BU ①	3214592	50	
PTS 1,5/S-TWIN-PE ②	3214602	50	

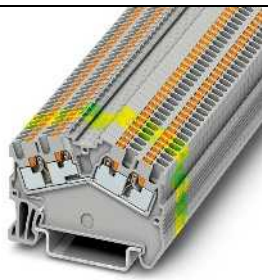
Accessories[1])		
D-PTS 1,5/S	3214576	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

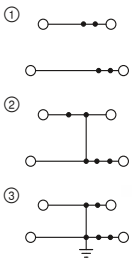
Notes:

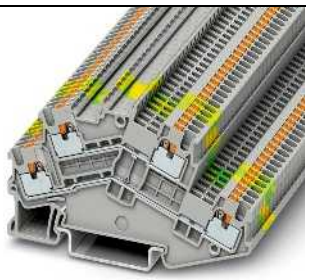
[1]) For additional accessories and technical data, see page 86.





17.5 A, feed-through terminal block, 4 connections





16 A, double-level terminal block

Technical data[1])			
Dimensions			
Width	Length	Height	
3.5	50.7	38.5 (NS 35/7,5)	
[mm]			
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	500	0.14 - 1.5	26-14
Max. bridge current [A]	-		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	PTS 1,5/S-QUATTRO ①	3214615	50
	blue	PTS 1,5/S-QUATTRO BU ①	3214631	50
With potential distribution	gray			
Ground terminal	green-yellow	PTS 1,5/S-QUATTRO-PE ②	3214644	50

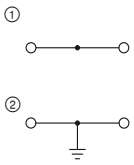
Accessories[1])			
Cover, width 2.2 mm	gray	D-PTS 1,5/S	3214576	50

Technical data[1])			
Dimensions			
Width	Length	Height	
3.5	78.8	48.2 (NS 35/7,5)	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16	500	0.14 - 1.5	26-14
17.5			
IEC	UL / CUL	CSA	Ex
500	600	600	-
16 / 1.5	15 / -	15 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTBS 1,5/S ①	3214657	50	
PTTBS 1,5/S BU ①	3214660	50	
PTTBS 1,5/S-PV ②	3214686	50	
PTTBS 1,5/S-PE ③	3214673	50	

Accessories[1])		
D-PTTBS 1,5/S	3214699	50

Mini feed-through terminal blocks and ground terminals





Notes:
[1]) For additional accessories and technical data, see page 86.
For information on installation and using accessories for Ex applications, see page 602.

17.5 A, mini feed-through terminal block

Ex:
SEV14ATEX0140U / IECEx SEV14.0010U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**33.55**	**28.1 (NS 15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	14.5 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**MPT 1,5/S**	①	**3248100**	50
	blue	**MPT 1,5/S BU**	①	**3248101**	50
Ground terminal	green-yellow	**MPT 1,5/S-PE**	②	**3248110**	50

Accessories[1])

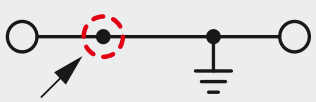
Cover, width 2.2 mm	gray	**D-MPT 1,5/S**	**3248120**	50

2.5 mm² PT... push-in connection terminal blocks

General technical data for 2.5 mm² PT... push-in connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
Plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

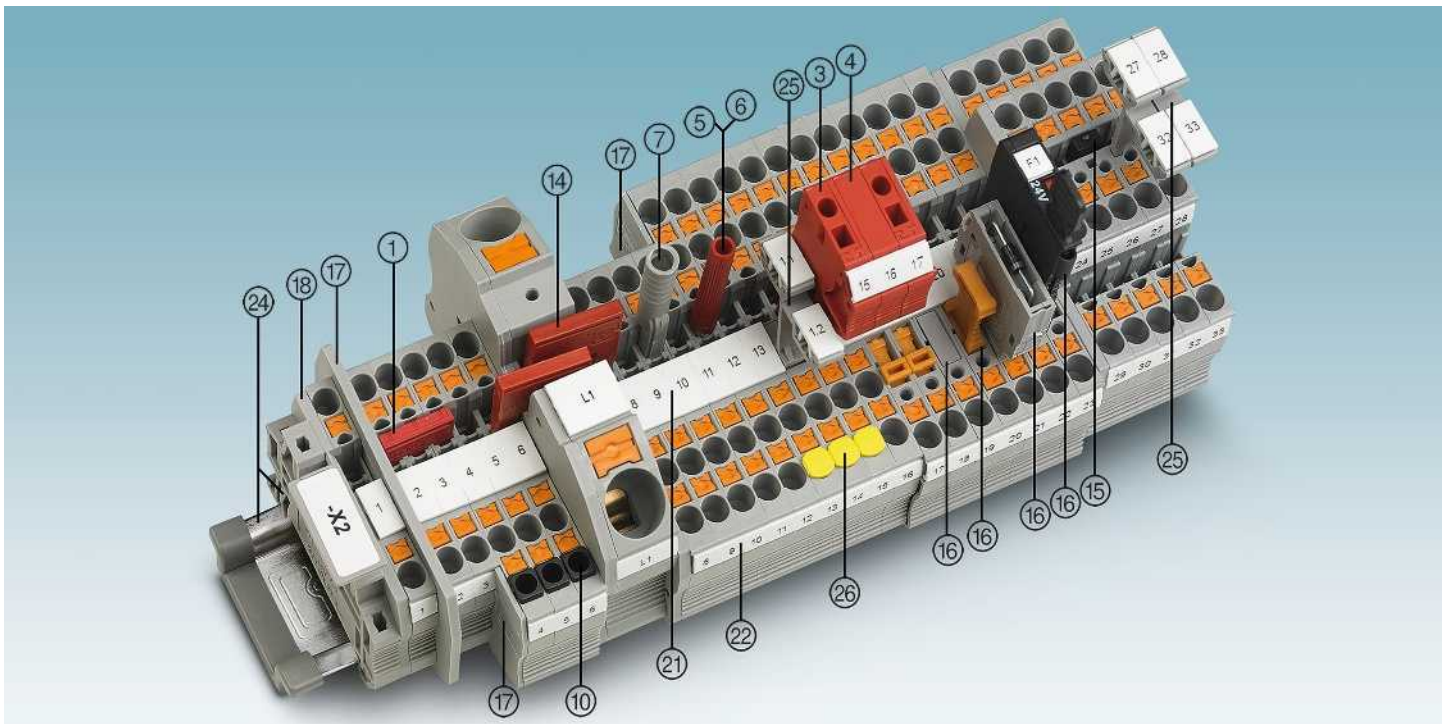


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 2.5 mm² PT... push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-5**	**3030161**	50	**FBSR 2-5**	**3033702**	50
	3	red	**FBS 3-5**	**3030174**	50	**FBSR 3-5**	**3001591**	50
	4	red	**FBS 4-5**	**3030187**	50	**FBSR 4-5**	**3001592**	50
	5	red	**FBS 5-5**	**3030190**	50	**FBSR 5-5**	**3001593**	50
	10	red	**FBS 10-5**	**3030213**	10	**FBSR 10-5**	**3033710**	10
	20	red	**FBS 20-5**	**3030226**	10			
③ **Modular test plug**		red	**PS-5**	**3030983**	10			
④ **Spacer plate**		red	**DP PS-5**	**3036725**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑩ **Insulating sleeve**		white	**ISH 2,5/0,2**	**3002843**	50			
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	**3002856**	50			
0.75 - 1 mm²		black	**ISH 2,5/1,0**	**3002869**	50			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

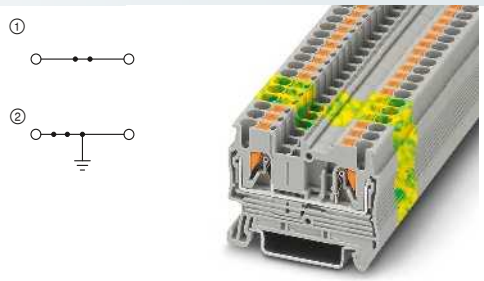
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS-PV ..., see page 341.**
⑯ **Fuse and function plugs for disconnect terminal blocks**	**For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉕ **Marker carrier**	**For STP ..., see page 352.**
㉖ **Cover for conductor shaft**	**For CEC ..., see page 348.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 110.

For information on installation and using accessories for Ex applications, see page 602.





30 A, feed-through terminal block

Ex:

PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	48.5	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	800	0.14 - 4 / 26-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 19 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 2,5**	①	**3209510**	50
	blue	**PT 2,5 BU**	①	**3209523**	50
Ground terminal	green-yellow	**PT 2,5-PE**	②	**3209536**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5**	**3030417**	50
Cover, width 0.8 mm	orange			

30 A, feed-through terminal block, 3 connections

Ex:

PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	60.5	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	800	0.14 - 4 / 26-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 19 / 2.5

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 2,5-TWIN	①	**3209549**	50
PT 2,5-TWIN BU	①	**3209552**	50
PT 2,5-TWIN-PE	②	**3209565**	50

Accessories[1])

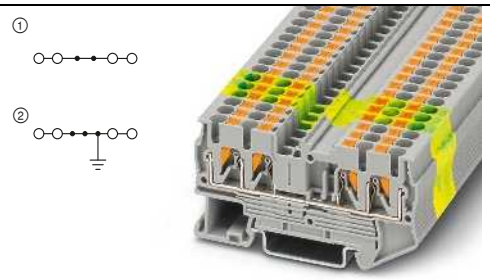
D-ST 2,5-TWIN	**3030488**	50
D-ST 2,5-TWIN-0,8 OG	**3030512**	50

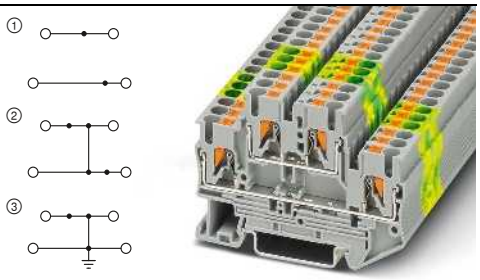
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 110.

For information on installation and using accessories for Ex applications, see page 602.





30 A, feed-through terminal block, 4 connections

Ex:

PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	72.2	36.8 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	800	0.14 - 4 / 26-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 19 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 2,5-QUATTRO**	①	**3209578**	50
	blue	**PT 2,5-QUATTRO BU**	①	**3209581**	50
	With potential distribution	gray			
Ground terminal	green-yellow	**PT 2,5-QUATTRO-PE**	②	**3209594**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO**	**3030514**	50
Cover, width 0.8 mm	orange	**D-ST 2,5-QUATTRO-0,8 OG**	**3030513**	50

26 A, double-level terminal block, 4 connections

Ex:

PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	68	47.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		26	500	0.14 - 4 / 26-12
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / 440
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / - / 18 / 2.5

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTB 2,5	①	**3210567**	50
PTTB 2,5 BU	①	**3210570**	50
PTTB 2,5-PV	②	**3210583**	50
PTTB 2,5-PE	③	**3210596**	50

Accessories[1])

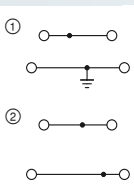
D-PTTB 2,5	**3211634**	50

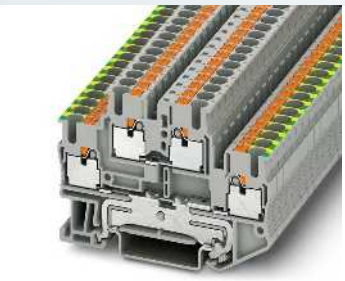
2.5 mm² PT... push-in connection terminal blocks

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

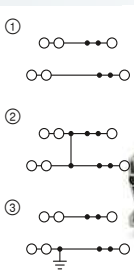
Notes:

[1]) For additional accessories and technical data, see page 110.





30 A, double-level terminal block with PE foot





24 A, double-level terminal block, 3 connections per level

Technical data[1])			
Width	Length	Height	
5.2	68	47.5 (NS 35/7,5)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	500	0.14 - 4	24-12
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	-
24 / 2.5	20 / -	20 / -	-

Technical data[1])			
Width	Length	Height	
5.2	111.8	55 (NS 35/7,5)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	500	0.14 - 4	-
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	-	-	-
22 / 2.5	-	-	-

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Terminal block	gray
upper level blue	gray
upper level blue	gray
	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow

Cover, width 2.2 mm — gray

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTB 2,5-PE/L	①	3210978	50
PTTB 2,5-PE/N	①	3210981	50
PTTB 2,5-L/N	②	3210994	50

Accessories[1])

D-PTTB 2,5		3211634	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTBS 2,5-TWIN	①	3210600	50
PTTBS 2,5-TWIN BU	①	3210601	50
PTTBS 2,5-TWIN-PV	②	3210603	50
PTTBS 2,5-TWIN-PE	③	3210602	50

Accessories[1])

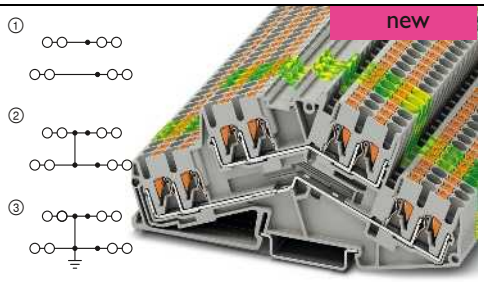
D-PTTBS 2,5-TWIN		3210608	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

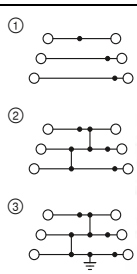
Notes:

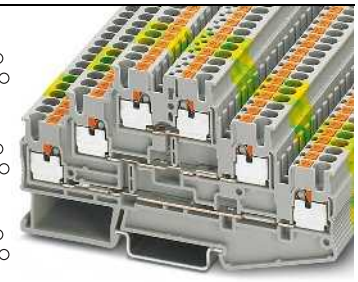
[1]) For additional accessories and technical data, see page 110.

For information on installation and using accessories for Ex applications, see page 602.



24 A, double-level terminal block, 4 connections per level





24 A, multi-level terminal block

Ex:

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])			
Width	Length	Height	
5.2	115.2	55 (NS 35/7,5)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	500	0.14 - 4	-
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	-	-	-
22 / 2.5	-	-	-

Technical data[1])			
Width	Length	Height	
5.2	102	58 (NS 35/7,5)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	500	0.14 - 4	26-12
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	440
20 / 2.5	20 / -	20 / -	17 / 2.5

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Terminal block	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow

Cover, width 2.2 mm — gray

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTBS 2,5-QUATTRO	①	3210609	50
PTTBS 2,5-QUATTRO BU	①	3210610	50
PTTBS 2,5-QUATTRO-PV	②	3210612	50
PTTBS 2,5-QUATTRO-PE	③	3210611	50

Accessories[1])

D-PTTBS 2,5-QUATTRO		3210613	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 2,5-3L	①	3210499	50
PT 2,5-3L BU	①	3210509	50
PT 2,5-3PV	②	3210512	50
PT 2,5-3PE	③	3210525	50

Accessories[1])

D-PT 2,5-3L		3211647	50

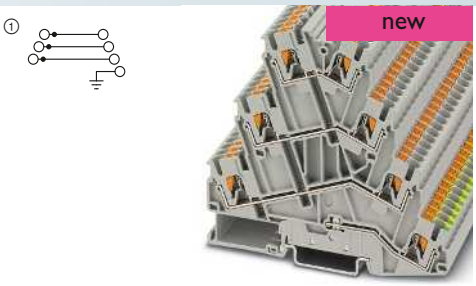
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 110.



24 A, three-level terminal block with PE foot



new

25 A, four-level terminal block with PE foot

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**102**	**58 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**99.5**	**92.6 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		25	**800**	**0.14 - 4**	**-**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	-	-

Ordering data

Description	Color
Terminal block	gray/green-yellow
	gray
Cover, width 2.2 mm	gray

Type		Order No.	Pcs. / Pkt.
PT 2,5-PE/L/L	①	**3210541**	50
PT 2,5-PE/L/N	①	**3210538**	50

Accessories[1])

D-PT 2,5-3L	**3211647**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 2,5-PE/3L	①	**3210542**	50

Accessories[1])

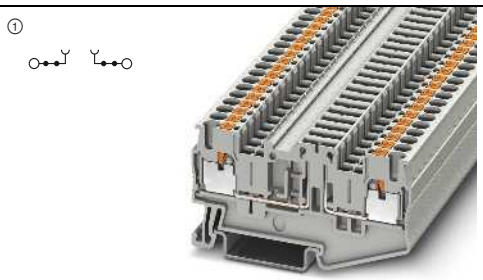
D-PT 2,5-PE/3L	**3210543**	50

Disconnect and knife disconnect terminal blocks

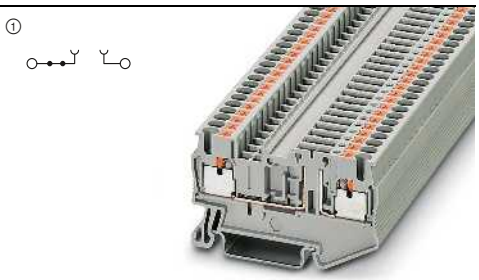
Notes:

[1]) For additional accessories and technical data, see page 110.

[2]) Current and voltage are determined by the plug used.



16 A, disconnect terminal block, with 4 function shafts



20 A, disconnect terminal block, with 2 function shafts

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**70.1**	**36.8 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400[2])**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	600	600	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16 / -	20 / -	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**62**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400[2])**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	-

Ordering data

Description	Color
Disconnect terminal block	gray
Cover, width 2.2 mm	gray

Type		Order No.	Pcs. / Pkt.
PT 2,5-TGB	①	**3210192**	50

Accessories[1])

D-PT 2,5-MTB	**3210196**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 2,5-TG	①	**3210185**	50

Accessories[1])

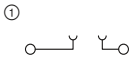
D-PT 2,5-MT	**3211003**	50

Disconnect and knife disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 110.

2) Current and voltage are determined by the plug used.





new

20 A, disconnect terminal block





new

20 A, feed-through terminal block, same shape

Technical data1)				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**56**	**36.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**400**2)	**0.14 - 4**	**-**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	-	-	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	-	-	-

Ordering data			
Description / Color	Type	Order No.	Pcs. / Pkt.
Disconnect terminal block gray	**PTC 2,5-TG** ①	**3270088**	50
Feed-through terminal block, same shape gray / blue			

Accessories1)			
	D-PTC 2,5-MT	**3270097**	50
Cover, width 2.2 mm			

Technical data1)				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**56**	**36.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**400**	**0.14 - 4**	**-**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	-	-	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	-	-	-

Ordering data			
Type		Order No.	Pcs. / Pkt.
PTC 2,5-MTD	①	**3270106**	50
PTC 2,5-MTD BU	①	**3270109**	50

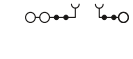
Accessories1)			
D-PTC 2,5-MT		**3270097**	50

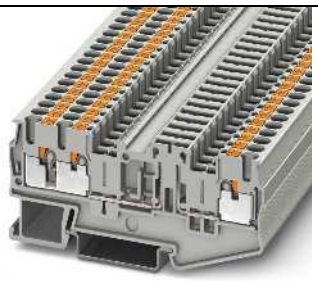
Disconnect and knife disconnect terminal blocks

Notes:

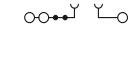
1) For additional accessories and technical data, see page 110.

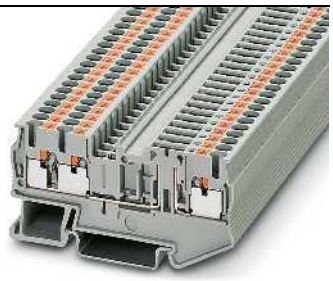
2) Current and voltage are determined by the plug used.





16 A, disconnect terminal block, 3 connections, 4 function shafts





20 A, disconnect terminal block, 3 connections, 2 function shafts

Technical data1)				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**81.9**	**36.7 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	16	**400**2)	**0.14 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	600	600	-
Nominal current / cross section [A] / [mm²]	16 / 2.5	16 / -	16 / -	-

Ordering data			
Description / Color	Type	Order No.	Pcs. / Pkt.
Disconnect terminal block gray	**PT 2,5-TWIN-TGB** ①	**3210193**	50

Accessories1)			
Cover, width 2.2 mm gray	**D-PT 2,5-TWIN-MTB**	**3210202**	50

Technical data1)				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**74**	**36.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**400**2)	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	20 / -	20 / -	-

Ordering data			
Type		Order No.	Pcs. / Pkt.
PT 2,5-TWIN-TG	①	**3210198**	50

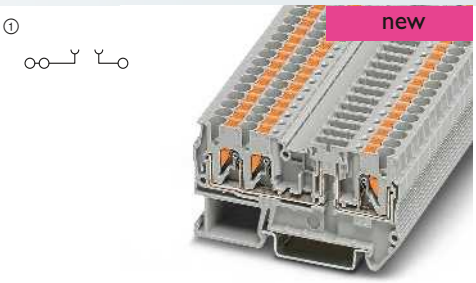
Accessories1)			
D-PT 2,5-TWIN-MT		**3211317**	50

Disconnect and knife disconnect terminal blocks

Notes:

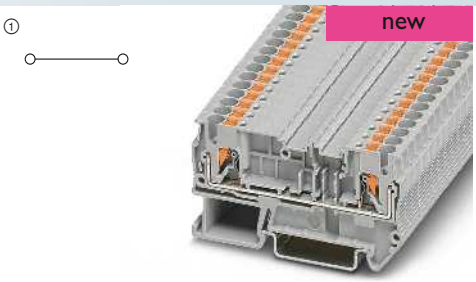
1) For additional accessories and technical data, see page 110.

2) Current and voltage are determined by the plug used.



new

20 A, disconnect terminal block, 3 connections



new

20 A, feed-through terminal block, same shape

Dimensions		Technical data[1]				Technical data[1]			
	[mm]	Width	Length	Height		Width	Length	Height	
		5.2	67.8	36.5 (NS 35/7,5)		5.2	67.8	36.5 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	400[2]	0.14 - 4	-	20	400	0.14 - 4	-
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2]	-	-	-	400	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	-	-	20 / 2.5	-	-	-

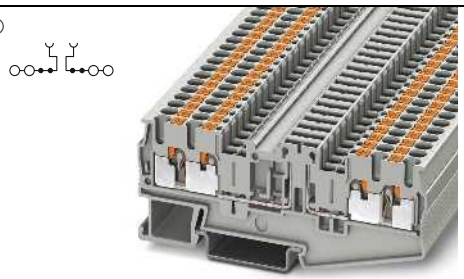
Description	Color	Ordering data				Ordering data			
		Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
Disconnect terminal block	gray	**PTC 2,5-TWIN-TG**	①	**3270091**	50				
Feed-through terminal block, same shape	gray					**PTC 2,5-TWIN-MTD**	①	**3270110**	50
	blue					**PTC 2,5-TWIN-MTD BU**	①	**3270111**	50
		Accessories[1]				Accessories[1]			
Cover, width 2.2 mm		**D-PTC 2,5-TWIN-MT**		**3270100**	50	**D-PTC 2,5-TWIN-MT**		**3270100**	50

Disconnect and knife disconnect terminal blocks

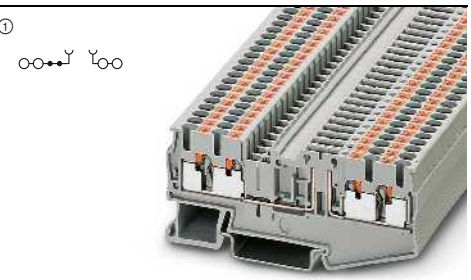
Notes:

1) For additional accessories and technical data, see page 110.

2) Current and voltage are determined by the plug used.



16 A, disconnect terminal block, 4 connections, 4 function shafts



20 A, disconnect terminal block, 4 connections, 2 function shafts

Dimensions		Technical data[1]				Technical data[1]			
	[mm]	Width	Length	Height		Width	Length	Height	
		5.2	92.2	36.7 (NS 35/7,5)		5.2	84	36.5 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	400[2]	0.14 - 4	26-12	20	400[2]	0.14 - 4	26-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2]	600	600	-	400[2]	300	300	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16 / -	16 / -	-	20 / 2.5	20 / -	20 / -	-

Description	Color	Ordering data				Ordering data			
		Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
Disconnect terminal block	gray	**PT 2,5-QUATTRO-TGB**	①	**3210194**	50	**PT 2,5-QUATTRO-TG**	①	**3210208**	50
		Accessories[1]				Accessories[1]			
Cover, width 2.2 mm	gray	**D-PT 2,5-QUATTRO-MTB**		**3210209**	50	**D-ST 2,5-QUATTRO-MT**		**3038590**	50

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

[2]) Current and voltage are determined by the plug used.



20 A, disconnect terminal block, 4 connections

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**79.6**	**36.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**400[2])**	**0.14 - 4** / -
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400[2])	-	- / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Disconnect terminal block	gray	**PTC 2,5-QUATTRO-TG**	①	**3270094**	50

Accessories[1])

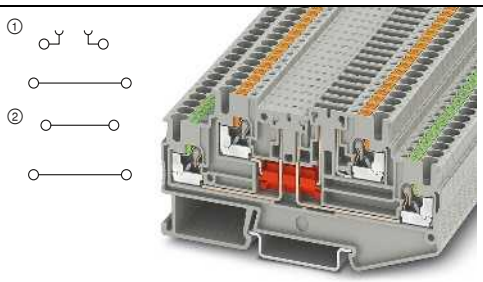
Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO-MT**	**3038590**	50

Disconnect and knife disconnect terminal blocks

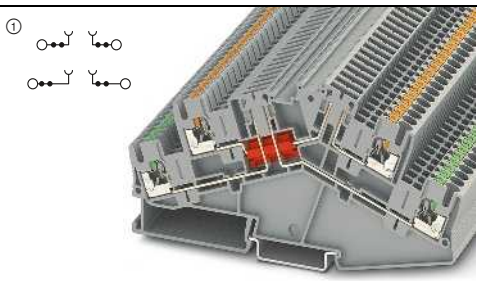
Notes:

[1]) For additional accessories and technical data, see page 110.

[2]) Current and voltage are determined by the plug used.



16 A, double-level terminal block, one disconnect zone



16 A, double-level terminal block, two disconnect zones

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		5.2	**92.4**	**47.4 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16[2])	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	16[2]) / 2.5	16	16	-

Width	Length	Height		
5.2	**127.5**	**64.3 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
16[2])	**400[2])**	**0.14 - 4**	**26-12**	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400[2])	300	300	-	
16[2]) / 2.5	16	10	-	

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Disconnect terminal block	gray	**PTT 2,5-L/TG**	①	**3210230**	50
	blue	**PTT 2,5-L/TG BU**	①	**3210270**	50
Feed-through terminal block, same shape	gray	**PTT 2,5-2L**	②	**3210267**	50
	blue	**PTT 2,5-2L BU**	②	**3210268**	50

Accessories[1])

Cover, width 2.2 mm	gray			
Cover, width 0.8 mm	gray	**D-PTT 2,5-2MT-0,8**	**3210300**	50
	orange	**D-PTT 2,5-2MT-0,8 OG**	**3210299**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTBS 2,5-2TGB	①	**3210402**	50

Accessories[1])

D-PTTBS 2,5-2MTB	**3210404**	50

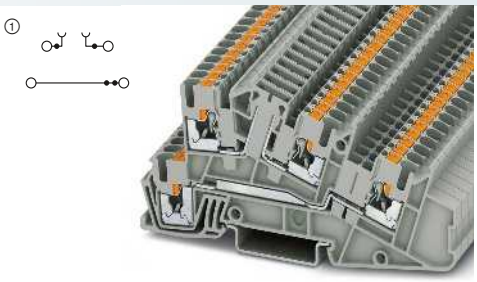
Disconnect and knife disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 110.

2) Current and voltage are determined by the plug used.

3) 3-pos. termination block.



30 A, three-level terminal block, 1 x L outer conductor, 1 x disconnect zone



30 A, three-level terminal block, 1 x L outer conductor, 1 x PE, 1 x disconnect zone

Technical data[1]

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**101**	**50.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[3]	**400**[2]	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2]	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	-	-
Rated cross section	[mm²]	4			
Nominal current / cross section	[A] / [mm²]	16 / 1.5 (disconnect level)			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTI 2,5-L/TG**	①	**3213961**	50

Accessories[1]

Cover, width 2.2 mm	gray	**D-PTI/3B**	**3213976**	50

Technical data[1]

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**101**	**50.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[3]	**400**[2]	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2]	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	-	-
Rated cross section	[mm²]	4			
Nominal current / cross section	[A] / [mm²]	16 / 1.5 (disconnect level)			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTI 2,5-PE/L/TG**	①	**3213960**	50

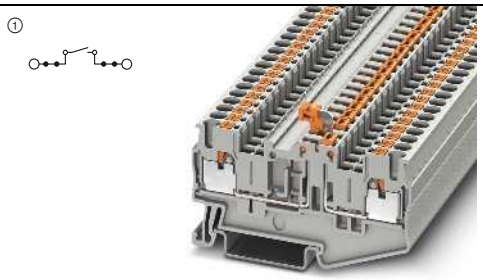
Accessories[1]

Cover, width 2.2 mm	gray	**D-PTI/3B**	**3213976**	50

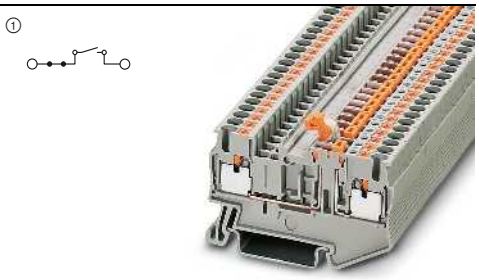
Disconnect and knife disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 110.



16 A, knife disconnect terminal block, 4 function shafts



20 A, knife disconnect terminal block, 2 function shafts

Technical data[1]

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**70.1**	**36.7 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	600	600	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	20 / -	20 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PT 2,5-MTB**	①	**3210157**	50
	blue	**PT 2,5-MTB BU**	①	**3210163**	50

Accessories[1]

Cover, width 2.2 mm	gray	**D-PT 2,5-MTB**	**3210196**	50

Technical data[1]

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**62**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PT 2,5-MT**	①	**3210156**	50
	blue	**PT 2,5-MT BU**	①	**3211650**	50

Accessories[1]

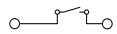
Cover, width 2.2 mm	gray	**D-PT 2,5-MT**	**3211003**	50

2.5 mm² PT... push-in connection terminal blocks

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

① 



20 A, knife disconnect terminal block

①



20 A, feed-through terminal block, same shape

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**56**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400**	**0.14 - 4**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	-	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**56**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400**	**0.14 - 4**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PTC 2,5-MT**	①	**3270079**	50
Feed-through terminal block, same shape	gray				
	blue				

Ordering data

Type		Order No.	Pcs. / Pkt.
PTC 2,5-MTD	①	**3270106**	50
PTC 2,5-MTD BU	①	**3270109**	50

Accessories[1])

Cover, width 2.2 mm	**D-PTC 2,5-MT**	**3270097**	50

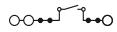
Accessories[1])

	D-PTC 2,5-MT	**3270097**	50

Disconnect and knife disconnect terminal blocks

Notes:

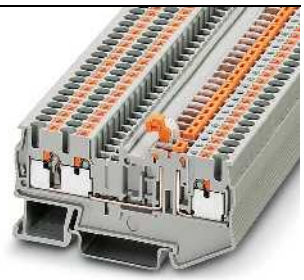
[1]) For additional accessories and technical data, see page 110.

① 



16 A, knife disconnect terminal block, 3 connections, 4 function shafts

① 



20 A, knife disconnect terminal block, 3 connections, 2 function shafts

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**81.9**	**36.7 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	600	600	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16 / -	16 / -	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**74**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PT 2,5-TWIN-MTB**	①	**3210170**	50
	blue	**PT 2,5-TWIN-MTB BU**	①	**3210177**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 2,5-TWIN-MT	①	**3210169**	50
PT 2,5-TWIN-MT BU	①	**3211663**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 2,5-TWIN-MTB**	**3210202**	50

Accessories[1])

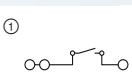
		D-PT 2,5-TWIN-MT	**3211317**	50

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

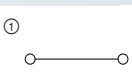
[2]) The max. load current must not be exceeded by the total current of all connected conductors.





new

20 A, knife disconnect terminal block, 3 connections





new

20 A, feed-through terminal block, same shape

Technical data[1])			
Width	Length	Height	
5.2	**67.8**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20[2])	**400**	**0.14 - 4**	**-**
IEC	UL / CUL	CSA	Ex
400	-	-	-
20[2]) / 2.5	-	-	-

Technical data[1])			
Width	Length	Height	
5.2	**67.8**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.14 - 4**	**-**
IEC	UL / CUL	CSA	Ex
400	-	-	-
20 / 2.5	-	-	-

Dimensions	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Knife disconnect terminal block	gray
Feed-through terminal block, same shape	gray
	blue
Cover, width 2.2 mm	gray

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
PTC 2,5-TWIN-MT	①	**3270082**	50

Accessories[1])			
D-PT 2,5-TWIN-MT		**3211317**	50

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
PTC 2,5-TWIN-MTD	①	**3270110**	50
PTC 2,5-TWIN-MTD BU	①	**3270111**	50

Accessories[1])			
D-PT 2,5-TWIN-MT		**3211317**	50

Disconnect and knife disconnect terminal blocks

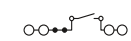
Notes:

[1]) For additional accessories and technical data, see page 110.





16 A, knife disconnect terminal block, 4 connections, 4 function shafts





20 A, knife disconnect terminal block, 4 connections, 2 function shafts

Technical data[1])			
Width	Length	Height	
5.2	**92.2**	**36.7 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16	**400**	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	600	-	-
16 / 2.5	16 / -	-	-

Technical data[1])			
Width	Length	Height	
5.2	**84**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
20 / 2.5	20 / -	20 / -	-

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Knife disconnect terminal block	gray
	blue
Cover, width 2.2 mm	gray

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
PT 2,5-QUATTRO-MTB	①	**3210184**	50
PT 2,5-QUATTRO-MTB BU	①	**3210191**	50

Accessories[1])			
D-PT 2,5-QUATTRO-MTB		**3210209**	50

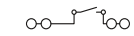
Ordering data			
Type		**Order No.**	Pcs. / Pkt.
PT 2,5-QUATTRO-MT	①	**3210172**	50
PT 2,5-QUATTRO-MT BU	①	**3211676**	50

Accessories[1])			
D-ST 2,5-QUATTRO-MT		**3038590**	50

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

① 



20 A, knife disconnect terminal block, 4 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**79.6**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400**	**0.14 - 4**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PTC 2,5-QUATTRO-MT**	①	**3270085**	50

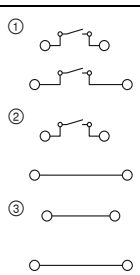
Accessories[1])

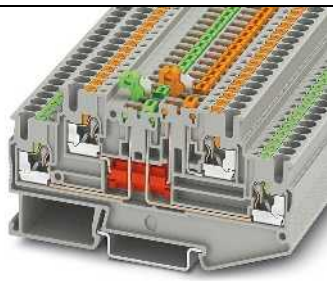
Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO-MT**	**3038590**	50

Disconnect and knife disconnect terminal blocks

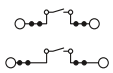
Notes:

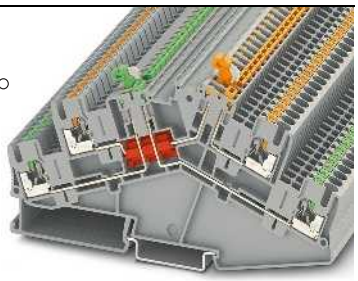
[1]) For additional accessories and technical data, see page 110.

① ② ③ 



16 A, double-level terminal block, two disconnect zones

① 



16 A, double-level terminal block, two knife disconnect zones, desk design

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**92.4**	**47.4 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16	16	-

Technical data[1])

Width	Length	Height		
5.2	**127.5**	**64.3 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
16	**400**	**0.14 - 4**	**26-12**	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
16 / 2.5	16	10	-	

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**PTT 2,5-2MT**	①	**3210258**	50
	blue	**PTT 2,5-2MT BU**	①	**3210265**	50
Disconnection only in the upper level	gray	**PTT 2,5-L/MT**	②	**3210251**	50
	blue	**PTT 2,5-L/MT BU**	②	**3210257**	50
Feed-through terminal block, same shape	gray	**PTT 2,5-2L**	③	**3210267**	50
	blue	**PTT 2,5-2L BU**	③	**3210268**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTBS 2,5-2MTB	①	**3210400**	50
PTTBS 2,5-2MTB BU	①	**3210401**	50

Accessories[1])

Cover, width 0.8 mm	gray	**D-PTT 2,5-2MT-0,8**	**3210300**	50
	orange	**D-PTT 2,5-2MT-0,8 OG**	**3210299**	50

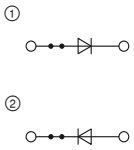
Accessories[1])

D-PTTBS 2,5-2MTB	**3210404**	50

Diode terminal blocks

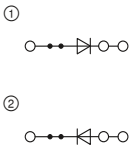
Notes:

[1]) For additional accessories and technical data, see page 110.





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), 3 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**48.5**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**800**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	300	300	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	20 / -	0.5 / -	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**60.5**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**800**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	300	300	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	20 / -	0.5 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**PT 2,5-DIO/L-R**	①	**3210224**	50
	gray	**PT 2,5-DIO/R-L**	②	**3210237**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5**	**3030417**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 2,5-TWIN-DIO/L-R	①	**3210240**	50
PT 2,5-TWIN-DIO/R-L	②	**3210253**	50

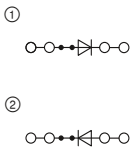
Accessories[1])

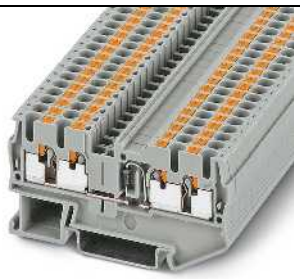
D-ST 2,5-TWIN	**3030488**	50

Diode terminal blocks

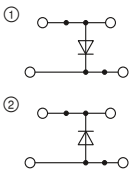
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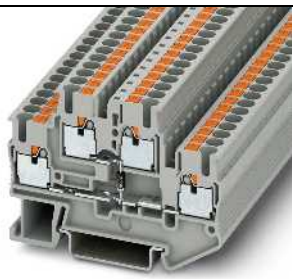
[1]) For additional accessories and technical data, see page 110.





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), 4 connections





26 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**72**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**800**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	300	300	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	20 / -	0.5 / -	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**68**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**500**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	0.5 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**PT 2,5-QUATTRO-DIO/L-R**	①	**3210266**	50
	gray	**PT 2,5-QUATTRO-DIO/R-L**	②	**3210279**	50
	gray				

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO**	**3030514**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTB 2,5-DIO/O-U	①	**3210923**	50
PTTB 2,5-DIO/U-O	②	**3210936**	50
PTTB 2,5-DIO/UL-UR	③	**3211427**	50

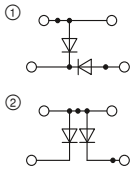
Accessories[1])

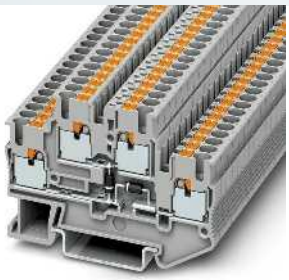
D-PTTB 2,5	**3211634**	50

Diode and component terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.





26 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)

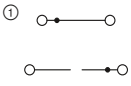
Technical data[1])			
Width	Length	Height	
5.2	**68**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**500**	**0.14 - 4**	**26-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	-
20 / 2.5	20 / -	0.5 / -	-

Ordering data			
Type		Order No.	Pcs. / Pkt.
PTTB 2,5-2DIO/O-UL/UR-UL	①	**3211430**	50
PTTB 2,5-2DIO/O-UL/O-UR	②	**3211443**	50

Accessories[1])			
D-PTTB 2,5		**3211634**	50

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Terminal block, for conducting direction see circuit diagram	gray
	gray
Terminal block, component can be soldered in	gray
Cover, width 2.2 mm	gray





26 A, double-level terminal block for soldering in components

Technical data[1])			
Width	Length	Height	
5.2	**68**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**500**	**0.14 - 4**	**-**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	-	-	-
22 / 2.5	-	-	-

Ordering data			
Type		Order No.	Pcs. / Pkt.
PTTB 2,5-2BE	①	**3211480**	50

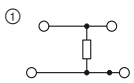
Accessories[1])			
D-PTTB 2,5		**3211634**	50

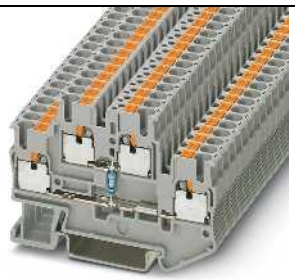
Double-level terminal blocks with resistor or LED display

Notes:

[1]) For additional accessories and technical data, see page 110.

[2]) The operating voltage is determined by the LED version.





20 A, double-level terminal block with resistor

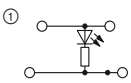
Technical data[1])			
Width	Length	Height	
5.2	**68**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500**	**0.14 - 4**	**-**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	-	-	-
20 / 2.5	-	-	-

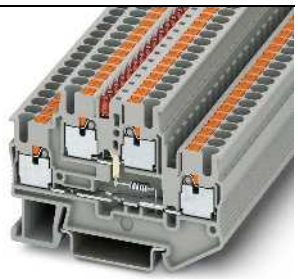
Ordering data			
Type		Order No.	Pcs. / Pkt.
PTTB 2,5-R499/O-U	①	**3210925**	50

Accessories[1])			
D-PTTB 2,5		**3211634**	50

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Terminal block, with built-in resistor, 499 ohms, 0.4 W power dissipation	gray
Terminal block, with LED for 12 – 30 V DC, 0.7 – 2.4 mA	gray
for 30 – 60 V DC, 0.8 – 1.8 mA	gray
for 110 – 250 V AC/DC, 0.1 – 0.5 mA	gray
Cover, width 2.2 mm	gray





24 A, double-level terminal block with LED display

Technical data[1])			
Width	Length	Height	
5.2	**68**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**500[2])**	**0.14 - 4**	**24-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500[2])	300	30	-
20 / 2.5	20 / -	20 / -	-

Ordering data			
Type		Order No.	Pcs. / Pkt.
PTTB 2,5-LA 24 RD	①	**3211456**	50
PTTB 2,5-LA 60 RD	①	**3211469**	50
PTTB 2,5-LA 230	①	**3211472**	50

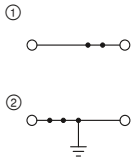
Accessories[1])			
D-PTTB 2,5		**3211634**	50

Hybrid terminal blocks with screw connection on one side, 2.5 (4) mm²

Notes:

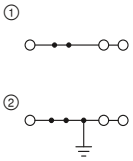
1) For additional accessories and technical data, see page 110.

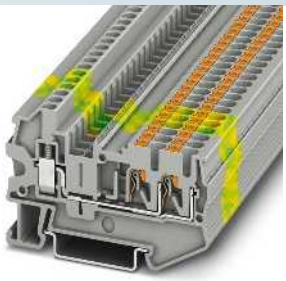
2) For screw connection rated data, see page 30.





24 A, feed-through terminal block





28 A, feed-through terminal block, 3 connections

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		5.2	**53.5**	**42.8 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**800**	**0.14 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTU 2,5**	①	**3209519**	50
	blue	**PTU 2,5 BU**	①	**3209520**	50
Ground terminal	green-yellow	**PTU 2,5-PE**	②	**3209521**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTU 2,5**	**3209522**	50

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		5.2	**65.3**	**42.8 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	**800**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTU 2,5-TWIN**	①	**3209515**	50
	blue	**PTU 2,5-TWIN BU**	①	**3209516**	50
Ground terminal	green-yellow	**PTU 2,5-TWIN-PE**	②	**3209517**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STU 2,5-TWIN**	**3033045**	50

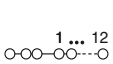
Hybrid terminal blocks with screw connection on one side, 16 (25) mm²

Notes:

1) For additional accessories and technical data, see page 110.

2) For screw connection rated data, visit phoenixcontact.net/products

For full technical data, visit phoenixcontact.net/products





16 (25) mm², 80 A (screw connection), terminal block base, 15 connections

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		17.5	**89.5**	**36 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		25	**1000**	**1 - 2.5**	**-**
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	25 / 2.5	-	-	-
Cross section range	AWG	18 - 14	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1 - 2.5	-	0.75 - 1.5	0.75 - 1.5

Ordering data

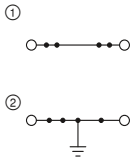
Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTU 16/14X2,5 GY**	①	**3214016**	10
	blue	**PTU 16/14X2,5 BU**	①	**3214014**	10
	green	**PTU 16/14X2,5 GN**	①	**3214015**	10

2.5 mm² PT... push-in connection terminal blocks

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

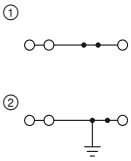
Notes:

[1]) For additional accessories and technical data, see page 110.





30 A, feed-through terminal block





28 A, feed-through terminal block, 3 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	49	43 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	800	0.14 - 4	26-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-

Technical data[1])

		Width	Length	Height	
	[mm]	5.2	49	43 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	800	0.14 - 4	26-12
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		800	600	600	-
		24 / 2.5	20 / -	20 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTS 2,5**	①	**3211799**	50
	blue	**PTS 2,5 BU**	①	**3211812**	50
Ground terminal	green-yellow	**PTS 2,5-PE**	②	**3211867**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTS 2,5-TWIN	①	**3211896**	50
PTS 2,5-TWIN BU	①	**3211906**	50
PTS 2,5-TWIN-PE	②	**3211935**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STS 2,5**	**3031762**	50

Accessories[1])

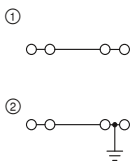
D-STS 2,5	**3031762**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

Notes:

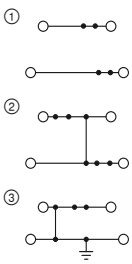
[1]) For additional accessories and technical data, see page 110.

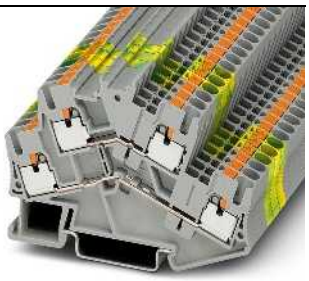
For information on installation and using accessories for Ex applications, see page 602.





28 A, feed-through terminal block, 4 connections





24 A, double-level terminal block

Ex:

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	49	43 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	800	0.14 - 4	26-12
Max. bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-

Technical data[1])

		Width	Length	Height	
	[mm]	5.2	78	55 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	500	0.14 - 4	26-12
		20 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	600	440
		22 / 2.5	20 / -	20 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTS 2,5-QUATTRO**	①	**3211993**	50
	blue	**PTS 2,5-QUATTRO BU**	①	**3212002**	50
With potential distribution	gray				
Ground terminal	green-yellow	**PTS 2,5-QUATTRO-PE**	②	**3212011**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTBS 2,5	①	**3209604**	50
PTTBS 2,5 BU	①	**3209617**	50
PTTBS 2,5-PV	②	**3210211**	50
PTTBS 2,5-PE	③	**3209620**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STS 2,5**	**3031762**	50

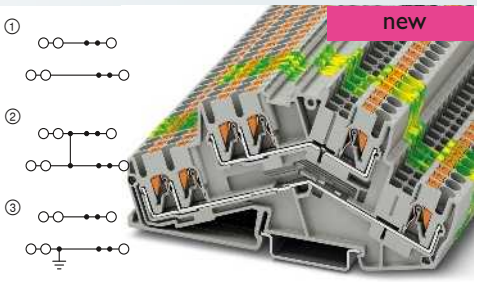
Accessories[1])

D-STTBS 2,5	**3038503**	50

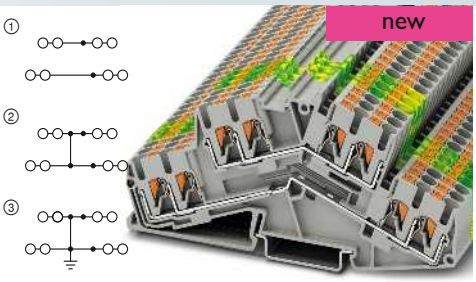
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

Notes:

[1]) For additional accessories and technical data, see page 110.



24 A, double-level terminal block, 3 connections per level



24 A, double-level terminal block, 4 connections per level

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**111.8**	**55 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**0.14 - 4**	**-**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	-	-	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**115.2**	**55 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**0.14 - 4**	**-**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTTBS 2,5-TWIN**	①	**3210600**	50
	blue	**PTTBS 2,5-TWIN BU**	①	**3210601**	50
With potential distribution	gray	**PTTBS 2,5-TWIN-PV**	②	**3210603**	50
Ground terminal	green-yellow	**PTTBS 2,5-TWIN-PE**	③	**3210602**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTTBS 2,5-TWIN**	**3210608**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTBS 2,5-QUATTRO	①	**3210609**	50
PTTBS 2,5-QUATTRO BU	①	**3210610**	50
PTTBS 2,5-QUATTRO-PV	②	**3210612**	50
PTTBS 2,5-QUATTRO-PE	③	**3210611**	50

Accessories[1])

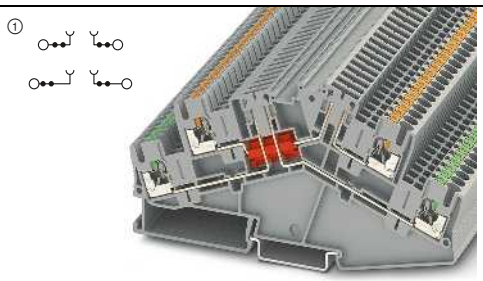
D-PTTBS 2,5-QUATTRO	**3210613**	50

Desk-design disconnect and knife disconnect terminal blocks

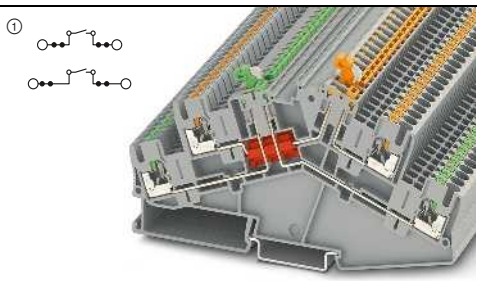
Notes:

[1]) For additional accessories and technical data, see page 110.

[2]) Current and voltage are determined by the plug used.



16 A, double-level terminal block, two disconnect zones



16 A, double-level terminal block, two knife disconnect zones, desk design

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**127.5**	**64.3 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16[2])	**400[2])**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	16[2]) / 2.5	16	10	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**127.5**	**64.3 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16	10	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Disconnect terminal block	gray	**PTTBS 2,5-2TGB**	①	**3210402**	50
	blue				

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTTBS 2,5-2MTB**	**3210404**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTBS 2,5-2MTB	①	**3210400**	50
PTTBS 2,5-2MTB BU	①	**3210401**	50

Accessories[1])

D-PTTBS 2,5-2MTB	**3210404**	50

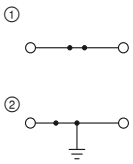
2.5 mm² PT... push-in connection terminal blocks

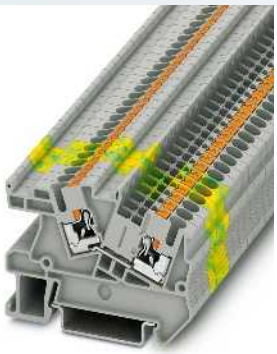
Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products





24 A, feed-through terminal block





24 A, neutral disconnect terminal block

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**59.5**	**44 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**800**	**0.14 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	-	-
Nominal current / cross section [A] / [mm²]	24 / 4	20 / -	-	-
Rated cross section [mm²]	4			
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data			
Description / Color	**Type**	**Order No.**	Pcs. / Pkt.
Terminal block gray	**PTI 2,5** ①	**3213968**	50
blue	**PTI 2,5 BU** ①	**3213969**	50
Ground terminal green-yellow	**PTI 2,5-PE** ②	**3213962**	50
Neutral disconnect terminal block blue			

Accessories[1])			
Cover, width 2.2 mm gray	**D-DTI 2,5**	**3034824**	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide blue	**AB-PTI**	**3214006**	50

Technical data[1])				
Width	Length	Height		
5.2	**59**	**46.3 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
24	**250**	**0.14 - 4**	**26-12**	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	600	-	-	
24 / 2.5	20 / -	-	-	
4				
solid	stranded	Ferrule without/with plastic sleeve		
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
PTN 2,5	①	**3213963**	50

Accessories[1])			
D-PTN 2,5		**3213977**	50
AB-PTI		**3214006**	50

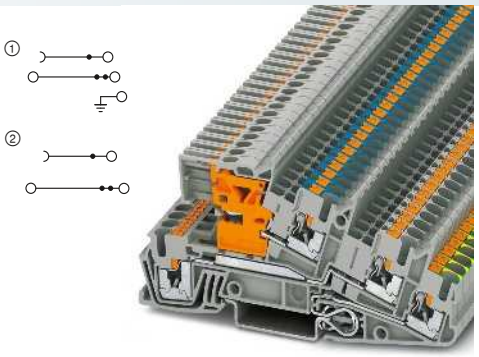
Installation terminal blocks

Notes:

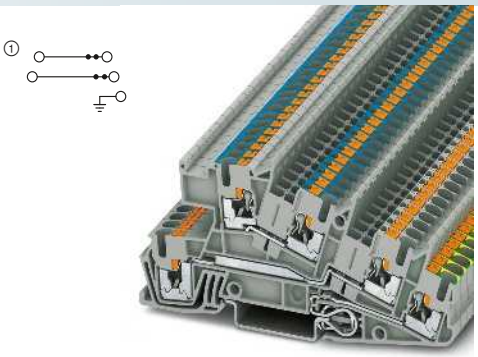
[1]) For additional accessories and technical data, see page 110.

[2]) 3-pos. termination block.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products



30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected, 1 x PE



30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor, 1 x PE

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**101**	**50.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[2])	**400**	**0.14 - 4** / **26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	300	- / -
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	- / -
Rated cross section	[mm²]	4		
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, upper level blue	gray	**PTI 2,5-PE/L/NT**	①	**3213946**	50
	gray	**PTI 2,5-L/NT**	②	**3213947**	50
upper level gray	gray	**PTI 2,5-L/LT**	②	**3213948**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTI/3**		**3213975**	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI/3**		**3213974**	50

Technical data[1])

		Width	Length	Height
		5.2	**101**	**50.5 (NS 35/7,5)**
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[2])	**400**	**0.14 - 4** / **26-12**
		24 (FBS) / 17.5 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		400	300	- / -
		24 / 4	20 / -	- / -
		4		
		solid	stranded	Ferrule without/with plastic sleeve
		0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5

Ordering data

Type		Order No.	Pcs. / Pkt.
PTI 2,5-PE/L/N	①	**3213950**	50
PTI 2,5-PE/L/L	①	**3213949**	50

Accessories[1])

D-PTI/3	**3213975**	50	
AB-PTI/3	**3213974**	50	

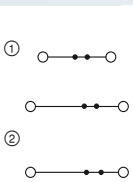
Installation terminal blocks

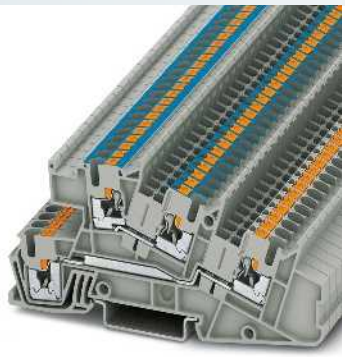
Notes:

[1]) For additional accessories and technical data, see page 110.

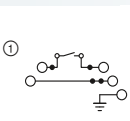
[2]) 3-pos. termination block.

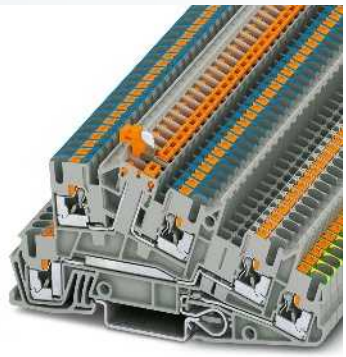
Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products





30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor





30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**101**	**50.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	-	-
Nominal current / cross section	[A] / [mm²]	-			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, upper level blue	gray	**PTI 2,5-L/N**	①	**3213954**	50
	gray	**PTI 2,5-L/L**	①	**3213953**	50
	gray/blue	**PTI 2,5-N**	②	**3213952**	50
	gray	**PTI 2,5-L**	②	**3213951**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTI/3**	**3213975**	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI/3**	**3213974**	50

Technical data[1])

Width	Length	Height		
5.2	**101**	**50.5 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30[2])	**400**	**0.14 - 4**	**26-12**	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	-	-	
24 / 2.5	20 / -	-	-	
16 / 1.5 (disconnect level)				
solid	stranded	Ferrule without/with plastic sleeve		
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	

Ordering data

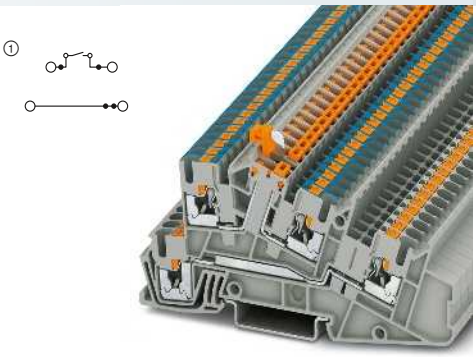
Type		Order No.	Pcs. / Pkt.
PTI 2,5-PE/L/NTB	①	**3213955**	50
PTI 2,5-PE/L/LTB	①	**3213957**	50

Accessories[1])

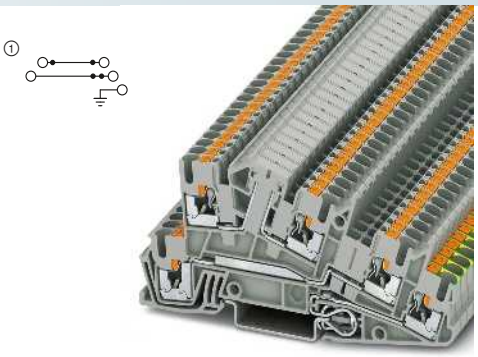
D-PTI/3B	**3213976**	50	

Installation terminal blocks

Notes:
1) For additional accessories and technical data, see page 110.
2) 3-pos. termination block.



30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected



30 A, three-level terminal block, 2 x L outer conductor, 1 x PE

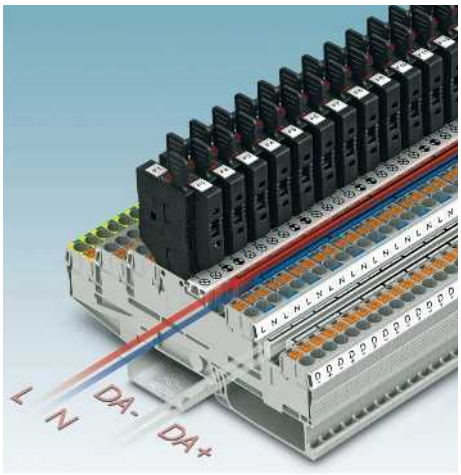
		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**101**	**50.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.14 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Nominal current / cross section	[A] / [mm²]	16 / 1.5 (disconnect level)			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

		Technical data[1])			
		Width	Length	Height	
		5.2	**101**	**50.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.14 - 4**	**26-12**
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		400	300	-	-
		24 / 2.5	20 / -	-	-
		-			
		solid	stranded	Ferrule without/with plastic sleeve	
		0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Description	Color	Ordering data			
		Type		Order No.	Pcs. / Pkt.
Terminal block, upper level blue	gray	**PTI 2,5-L/NTB**	1	**3213956**	50
	gray	**PTI 2,5-L/LTB**	1	**3213958**	50
		Accessories[1])			
Cover, width 2.2 mm	gray	**D-PTI/3B**		**3213976**	50

Ordering data			
Type		Order No.	Pcs. / Pkt.
PTI 2,5-PE/L/LB	1	**3213959**	50
Accessories[1])			
D-PTI/3B		**3213976**	50

Installation terminal blocks



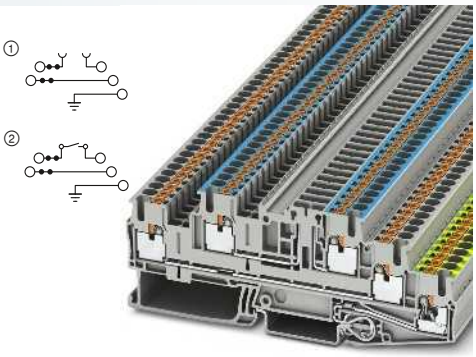
- The three-level installation terminal blocks have been specially developed for the building installation sector.
- DALI-controlled emergency lighting systems can be conveniently fused and wired when space is at a premium
- Two function shafts can be used on each level on the inside of the control cabinet
- Quick and easy potential distribution, e.g., from the DALI bus system

Notes:

[1]) For additional accessories and technical data, see page 110.

[2]) Current and voltage are determined by the plug used.

[3]) 3-pos. termination block.



30 A, three-level terminal block, with disconnect zone and PE foot

Technical data[1])

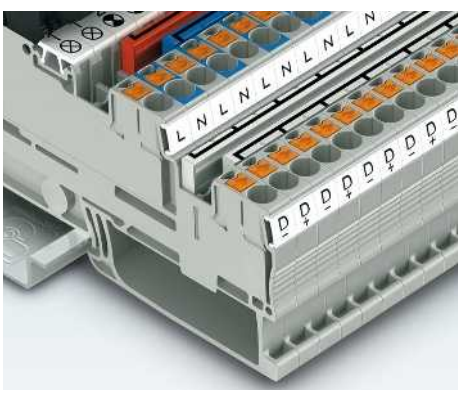
Dimensions				
		Width	Length	Height
	[mm]	**5.2**	**118**	**42.3 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[3])	**400[2])**	**0.14 - 4** / **-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400[2])	-	- / -
Nominal current / cross section	[A] / [mm²]	22 / 2.5	-	- / -
Nominal current / cross section	[A] / [mm²]	16 / 2.5 (disconnect level)		
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTB 2,5-PE/L/NTG**	①	**3210545**	50
	gray	**PTB 2,5-PE/L/TG**	①	**3210539**	50
With disconnect knife	gray	**PTB 2,5-PE/L/MT**	②	**3210549**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTB 2,5/3**	**3210552**	50

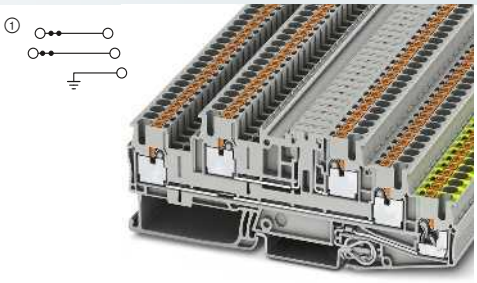


Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

[2]) 3-pos. termination block.



24 A, three-level terminal block, with PE foot

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**118**	**42.3 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**400**	**0.14 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	-	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5 (disconnect level)			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTB 2,5-PE/L/L**	①	**3210547**	50

Accessories[1])

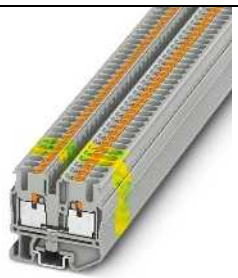
Cover, width 2.2 mm	gray	**D-PTB 2,5-PE/L/L**	**3210553**	50

Mini feed-through terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 110.

For information on installation and using accessories for Ex applications, see page 602.



27 A, mini feed-through terminal block

Ex:

SEV14ATEX0140U / IECEx SEV14.0010U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**36**	**34.8 (NS 15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		27	**500**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	440
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	20.5 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**MPT 2,5**	①	**3248125**	50
	blue	**MPT 2,5 BU**	①	**3248126**	50
Ground terminal	green-yellow	**MPT 2,5-PE**	②	**3248130**	50

Accessories[1])

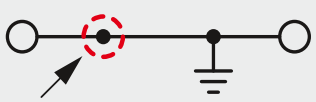
Cover, width 2.2 mm	gray	**D-MPT 2,5**	**3248140**	50

4 mm² PT... push-in connection terminal blocks

General technical data for 4 mm² PT... push-in connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 10			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Plug-in connection cross sections	[mm²]	0.5 - 6	-	0.5 - 4	0.5 - 4
General data					
Stripping length	[mm]	10 - 12			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

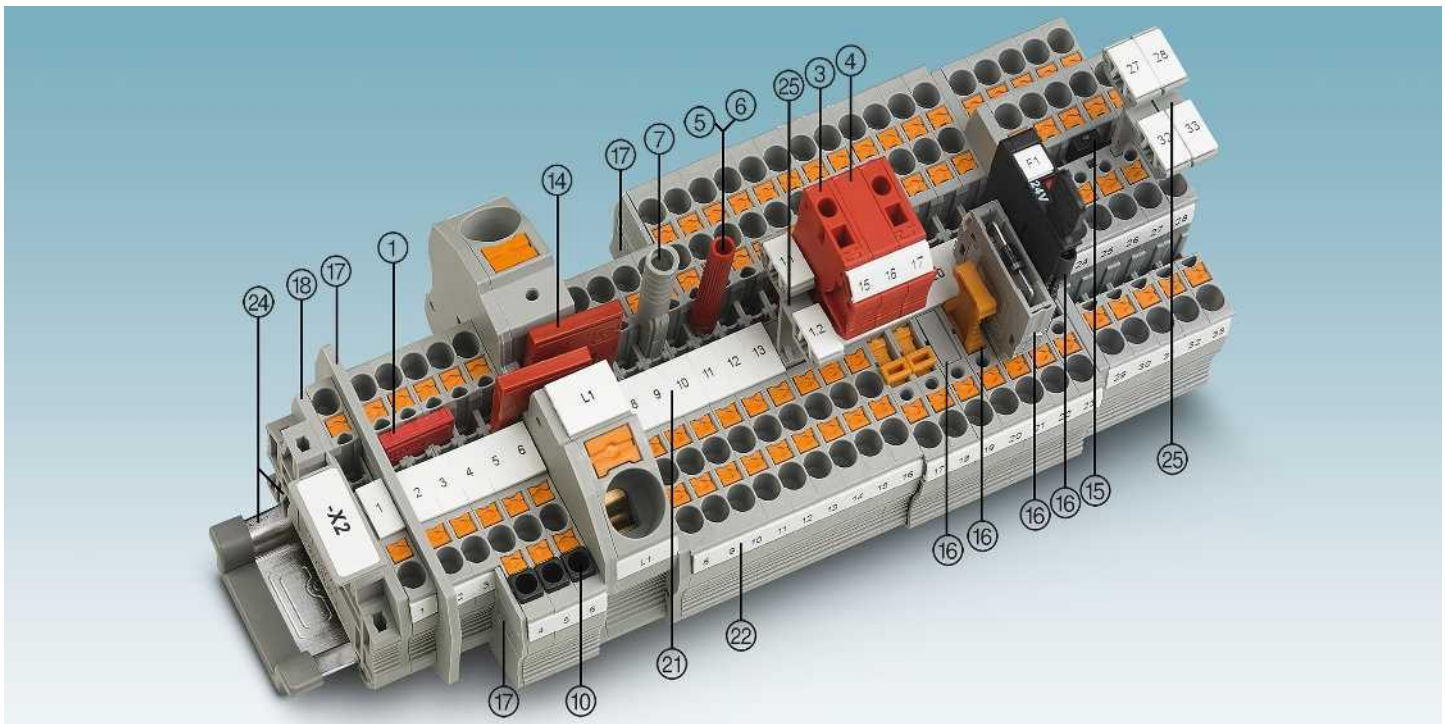


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 4 mm² PT... push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-6**	**3030336**	50	**FBSR 2-6**	**3033715**	50
	3	red	**FBS 3-6**	**3030242**	50	**FBSR 3-6**	**3001594**	50
	4	red	**FBS 4-6**	**3030255**	50	**FBSR 4-6**	**3001595**	50
	5	red	**FBS 5-6**	**3030349**	50	**FBSR 5-6**	**3001596**	50
	10	red	**FBS 10-6**	**3030271**	10	**FBSR 10-6**	**3033716**	10
	20	red	**FBS 20-6**	**3030365**	10			
③ **Modular test plug**		red	**PS-6**	**3030996**	10			
④ **Spacer plate**		red	**DP PS-6**	**3036738**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑩ **Insulating sleeve,** 0.25 - 0.5 mm²		gray	**ISH 4/0,5**	**3002885**	50			
0.75 - 1 mm²		black	**ISH 4/1,0**	**3002898**	50			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

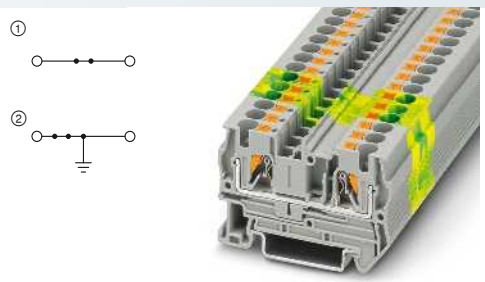
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS-PV ..., see page 341.**
⑯ **Fuse and function plugs for disconnect terminal blocks**	**For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉕ **Marker carrier**	**For STP ..., see page 352.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 132.

For information on installation and using accessories for Ex applications, see page 602.





38 A, feed-through terminal block

Ex: PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**56**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38	**800**	**0.2 - 6**	**24-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	26 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 4**	①	**3211757**	50
	blue	**PT 4 BU**	①	**3211760**	50
Ground terminal	green-yellow	**PT 4-PE**	②	**3211766**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 4**	**3030420**	50

38 A, feed-through terminal block, 3 connections

Ex: PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data[1])

Width	Length	Height	
6.2	**66.5**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
38	**800**	**0.2 - 6**	**24-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	600	550
32 / 4	30 / -	30 / -	26 / 4

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 4-TWIN	①	**3211771**	50
PT 4-TWIN BU	①	**3211775**	50
PT 4-TWIN-PE	②	**3211780**	50

Accessories[1])

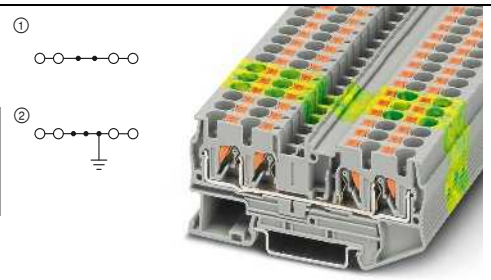
D-PT 4-TWIN	**3208977**	50

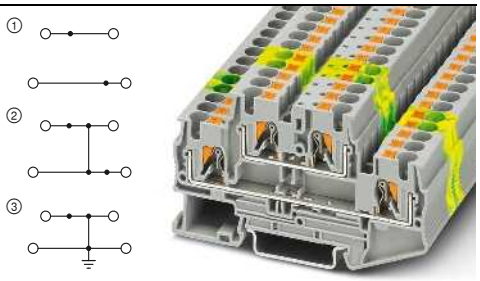
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 132.

For information on installation and using accessories for Ex applications, see page 602.





38 A, feed-through terminal block, 4 connections

Ex: PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**77**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38	**800**	**0.2 - 6**	**24-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	26 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 4-QUATTRO**	①	**3211797**	50
	blue	**PT 4-QUATTRO BU**	①	**3211802**	50
With potential distribution	gray				
Ground terminal	green-yellow	**PT 4-QUATTRO-PE**	②	**3211809**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 4-QUATTRO**	**3208979**	50

32 A, double-level terminal block, 4 connections

Ex: PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data[1])

Width	Length	Height	
6.2	**83.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.2 - 6**	**24-10**
22 (FBS) / 22 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	440
28 / 4	28 / -	30 / -	23 / 4

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTB 4	①	**3211786**	50
PTTB 4 BU	①	**3211793**	50
PTTB 4-PV	②	**3211825**	50
PTTB 4-PE	③	**3211854**	50

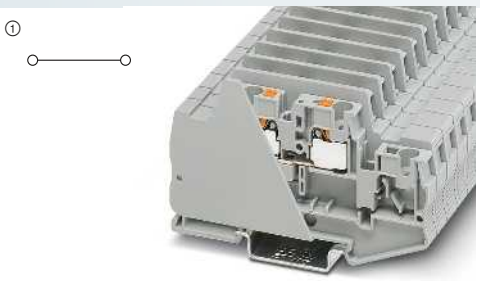
Accessories[1])

D-STTB 4	**3030462**	50

Feed-through and multi-level terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 132.



38 A, 1000 V, feed-through terminal block, incl. cover



32 A, four-level terminal block with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	83.5	47.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		38	1000	0.2 - 6 / 24-10
Max. bridge current	[A]	-		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	1000	1000 / -
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTTB 4-L 1000V**	①	3062744	50

Accessories[1])

Cover, width 2.2 mm	gray			

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	104.4	96.9 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	800	0.2 - 6 / -
Max. bridge current	[A]	22 (FBS) / 22 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	-	- / -
Nominal current / cross section	[A] / [mm²]	26 / 4	-	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 4-PE/3L**	①	3210442	50

Accessories[1])

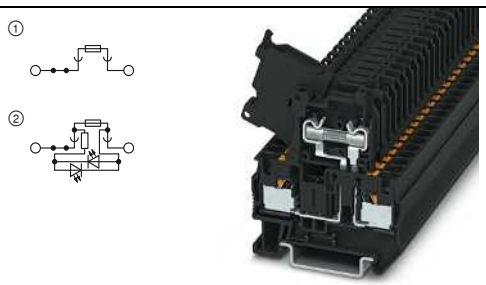
Cover, width 2.2 mm	gray	**D-PT 4-PE/3L**		3210443	50

Fuse terminal blocks

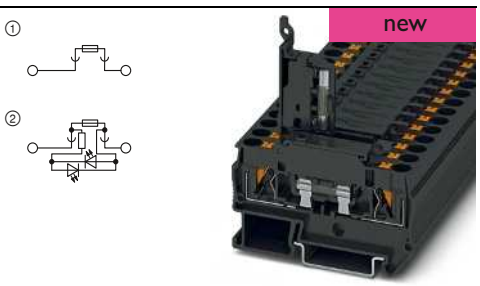
Notes:

[1]) For additional accessories and technical data, see page 132.

[2]) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see phoenixcontact.net/products.



6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses, 2 function shafts



6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	56	62.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3[2])	500[2])	0.2 - 6 / 24-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[2])	300	300 / -
Nominal current / cross section	[A] / [mm²]	6.3 / 1	6.3 / -	6.3 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Fuse terminal block	black	**PT 4-HESI (5X20)**	①	3211861	50
With LED for 12 – 30 V AC/DC, 0.31 – 0.95 mA	black	**PT 4-HESILED 24 (5X20)**	②	3211903	50
for 30 – 60 V AC/DC, 0.40 – 0.86 mA	black	**PT 4-HESILED 60 (5X20)**	②	3207908	50
110 – 250 V AC/DC, 0.41 – 0.96 mA	black	**PT 4-HESILA 250 (5X20)**	②	3211907	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 4**	3030420	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	67.8	62.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3[2])	500[2])	0.2 - 6 / -
Max. bridge current	[A]	-		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[2])	-	- / -
Nominal current / cross section	[A] / [mm²]	6.3 / 1	-	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Fuse terminal block	black	**PTC 4-HESI (5X20)**	①	3270200	50
With LED for 12 – 30 V AC/DC, 0.31 – 0.95 mA	black	**PTC 4-HESILED 24 (5X20)**	②	3270203	50
for 30 – 60 V AC/DC, 0.40 – 0.86 mA	black	**PTC 4-HESILED 60 (5X20)**	②	3270205	50
110 – 250 V AC/DC, 0.41 – 0.96 mA	black	**PTC 4-HESILA 250 (5X20)**	②	3270197	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTC 2,5-TWIN-MT**	3270100	50

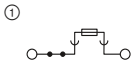
Fuse terminal blocks

Notes:

1) For additional accessories and technical data, see page 132.

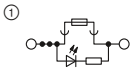
2) The current is determined by the fuse used, the voltage by the light indicator.

3) 15 A for single arrangement, 10 A for group arrangement. For the derating curve, see phoenixcontact.net/products. The recommended continuous load capacity of fuse-links according to DIN 72581/Part 3 is a maximum of 80% of their nominal current (at an ambient temperature of 23°C).





15 A, fuse terminal block, for type F flat-type fuses





15 A, fuse terminal block with LED display, for type F flat-type fuses

Technical data[1]			
Width	Length	Height	
6.2	**56**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
15[3]	**400[2]**	**0.2 - 6**	**24-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
400[2]	300	300	-
10[2] / 4	15 / -	15 / -	-

Technical data[1]			
Width	Length	Height	
6.2	**56**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
15[3]	**12[2]**	**0.2 - 6**	**24-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
12[2]	300	12	-
10[2] / 4	15 / -	15 / -	-

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Fuse terminal block	black
With light indicator for 12 V DC, 1.7 mA	black
for 24 V DC, 1.9 mA	black
Cover, width 2.2 mm	gray

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
PT 4-FSI/F	①	**3208943**	50

Accessories[1]			
D-ST 4		**3030420**	50

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
PT 4-FSI/F-LED 12	①	**3208951**	50
PT 4-FSI/F-LED 24	①	**3208964**	50

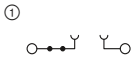
Accessories[1]			
D-ST 4		**3030420**	50

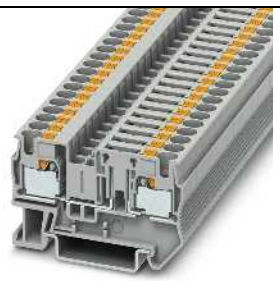
Disconnect and knife disconnect terminal blocks

Notes:

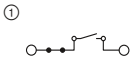
1) For additional accessories and technical data, see page 132.

2) Current and voltage are determined by the plug used.





20 A, disconnect terminal block





20 A, knife disconnect terminal block

Technical data[1]			
Width	Length	Height	
6.2	**56**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20[2]	**400[2]**	**0.2 - 6**	**24-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
400[2]	300	300	-
20[2] / 2.5	20 / -	20 / -	-

Technical data[1]			
Width	Length	Height	
6.2	**56**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.2 - 6**	**24-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
20 / 2.5	20 / -	20 / -	-

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Disconnect terminal block	gray
Knife disconnect terminal block	gray
Cover, width 2.2 mm	gray

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
PT 4-TG	①	**3211922**	50

Accessories[1]			
D-ST 4		**3030420**	50

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
PT 4-MT	①	**3211933**	50

Accessories[1]			
D-ST 4		**3030420**	50

Test disconnect terminal blocks

Notes:

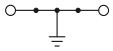
[1]) For additional accessories and technical data, see page 132.

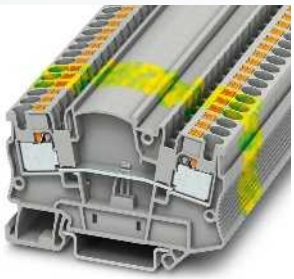
①



24 A, test disconnect terminal block

①

② 



32 A, feed-through terminal block, same shape

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
6.2	**70.5**	**49.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**500**	**0.2 - 6**	**24-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	-
24 / 4	26 / -	26 / -	-

Ordering data

Description	Color
Terminal block	gray
Ground terminal	green-yellow

Type		Order No.	Pcs. / Pkt.
PTME 4	①	**3212139**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTME 4**	**3212167**	10

Technical data[1])

Width	Length	Height	
6.2	**70.5**	**49.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.2 - 6**	**24-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	-
32 / 4	26 / -	26 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
PTMED 4	①	**3212141**	50
PTMED 4-PE	②	**3212154**	50

Accessories[1])

D-PTME 4		**3212167**	10

Supplementary accessories for PTME 4 test disconnect terminal blocks



– Current transformer measuring circuit can be created using just two PTME 4
– Less space required compared to creating circuits with slide-type terminal blocks
① FBS... jumper for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
④ SB-ME... switching jumper
⑤ C-ME 4/2 connection bridge

Description	No. of pos.	Color
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
	1	brown
Switching lock, plug-in		white
Switching jumper, plug-in	2	gray/orange
	3	gray/orange
	4	gray/orange
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange
	3	orange

Ordering data

Type	Order No.	Pcs. / Pkt.
PAI-4-FIX-5/6 OG	**3035974**	10
PAI-4-FIX-5/6 YE	**3035977**	10
PAI-4-FIX-5/6 GN	**3035978**	10
PAI-4-FIX-5/6 VT	**3035979**	10
PAI-4-FIX-5/6 BK	**3035980**	10
PAI-4-FIX-5/6 BU	**3035975**	10
PAI-4-FIX-5/6 RD	**3035976**	10
PAI-4-FIX-5/6 GY	**3035982**	10
PAI-4-FIX-5/6 BN	**3035981**	10
S-ME 4	**3035758**	10
SB-ME 2-6	**3035755**	10
SB-ME 3-6	**3035756**	10
SB-ME 4-6	**3035757**	10
C-ME 4/2	**3035759**	10
C-ME 4/3	**3035760**	10

Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 132.



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**77**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		1.5	**800**	**0.2 - 6**	**24-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	1.5 / 1	1.5 / -	1.5 / -	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**77**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		1.5	**800**	**0.2 - 6**	**24-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	1.5 / 1	1.5 / -	1.5 / -	-

Ordering data

Description	Color
Terminal block, for conducting direction see circuit diagram	gray

Type		Order No.	Pcs. / Pkt.
PT 4-QUATTRO-DIO 1N 5408/L-R	①	3211919	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 4-QUATTRO**	3208979	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 4-QUATTRO-DIO 1N 5408/R-L	①	3211921	50

Accessories[1])

D-PT 4-QUATTRO	3208979	50

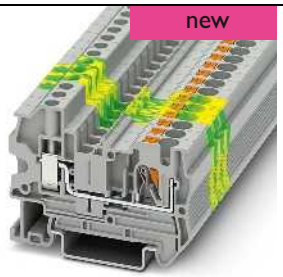
Hybrid terminal blocks with screw connection on one side, 4 (6) mm²

Notes:

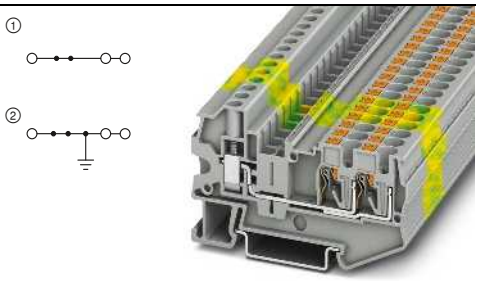
[1]) For additional accessories and technical data, see page 132.

[2]) For screw connection rated data, see page 40.

new



38 A, feed-through terminal block



38 A, feed-through terminal block, 3 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**58.8**	**42.8 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38	**800**	**0.2 - 6**	**-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	-	-	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**69.3**	**42.8 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38	**800**	**0.2 - 6**	**24-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30	-	-

Ordering data

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Type		Order No.	Pcs. / Pkt.
PTU 4	①	3211855	50
PTU 4 BU	①	3211856	50
PTU 4-PE	②	3211857	50

Accessories[1])

Cover, width 2.2 mm	**D-PTU 4**	3211858	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTU 4-TWIN	①	3211859	50
PTU 4-TWIN BU	①	3211860	50
PTU 4-TWIN-PE	②	3211862	50

Accessories[1])

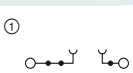
D-PTU 4-TWIN	3211863	50

Hybrid terminal blocks with screw connection on one side, 4 (6) mm²

Notes:

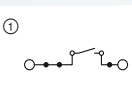
[1]) For additional accessories and technical data, see page 132.

[2]) For screw connection rated data, see page 40.





20 A, disconnect terminal block, 3 function shafts and two 4 mm test sockets





20 A, knife disconnect terminal block, 3 function shafts and two 4 mm test sockets

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data[2])	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
6.2	**71**	**42.8 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.2 - 6**	**-**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	-	-	-
20 / 4	-	-	-

Technical data[1])

Width	Length	Height	
6.2	**71**	**42.8 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.2 - 6**	**-**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	-	-	-
20 / 4	-	-	-

Description	Color
Terminal block	gray
With test socket screws	gray
Feed-through terminal block, same shape	gray
With test socket screws	gray

Ordering data

Type		Order No.	Pcs. / Pkt.
PTU 4-TG	①	**3209542**	50
PTU 4-TG-P	①	**3209541**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTU 4-MT	①	**3209538**	50
PTU 4-MT-P	①	**3209532**	50
PTU 4-MTD	②	**3209539**	50
PTU 4-MTD-P	②	**3209540**	50

Accessories[1])

Cover, width 2.2 mm	**D-PTU 4-MT**	**3209534**	50

Accessories[1])

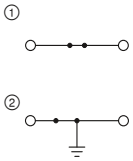
	D-PTU 4-MT	**3209534**	50

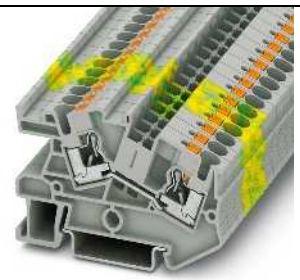
Installation terminal blocks

Notes:

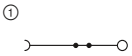
[1]) For additional accessories and technical data, see page 132.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products





32 A, feed-through terminal block





32 A, neutral disconnect terminal block

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
6.2	**66**	**44 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**800**	**0.2 - 6**	**-**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	-	-	-
32 / 4	-	-	-

Technical data[1])

Width	Length	Height	
6.2	**66**	**46.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**250**	**0.2 - 6**	**-**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
250	-	-	-
32 / 4	-	-	-

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Neutral disconnect terminal block	blue

Ordering data

Type		Order No.	Pcs. / Pkt.
PTI 4	①	**3213970**	50
PTI 4 BU	①	**3213971**	50
PTI 4-PE	②	**3213964**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTN 4	①	**3213965**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-DTI 4**	**3034895**	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI**	**3214006**	50

Accessories[1])

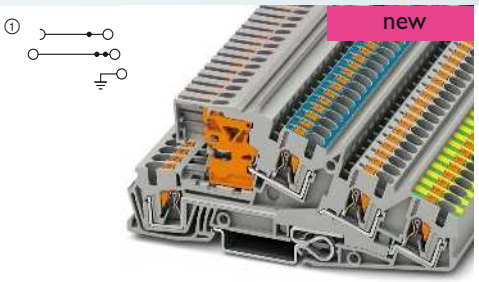
	D-PTN 4	**3213978**	50
	AB-PTI	**3214006**	50

Installation terminal blocks

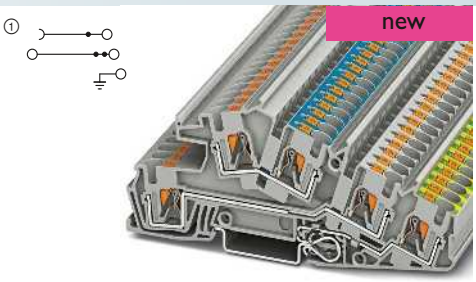
Notes:

[1]) For additional accessories and technical data, see page 132.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products



32 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected, 1 x PE



32 A, three-level terminal block, 2 x L outer conductor, 1 x PE

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	114	50.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	400	0.2 - 6 / -
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	-	- / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	114	50.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	400	0.2 - 6 / -
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	-	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, upper level blue	gray	**PTI 4-PE/L/NT**	①	**3214047**	50
	gray	**PTI 4-PE/L/LT**	①	**3214048**	50

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, upper level blue	gray	**PTI 4-PE/L/N**	①	**3214049**	50
	gray	**PTI 4-PE/L/L**	①	**3214050**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PTI 4/3**	**3214054**	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI 4/3**	**3214053**	50

Accessories[1])

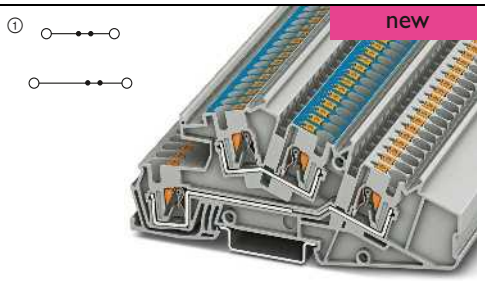
Cover, width 2.2 mm	gray	**D-PTI 4/3**	**3214054**	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI 4/3**	**3214053**	50

Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 132.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products



32 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	114	50.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	400	0.2 - 6 / -
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	-	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, upper level blue	gray	**PTI 4-L/N**	①	**3214051**	50
	gray	**PTI 4-L/L**	①	**3214052**	50

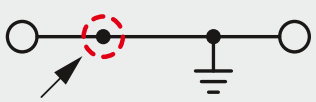
Accessories[1])

Cover, width 2.2 mm	gray	**D-PTI 4/3**	**3214054**	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI 4/3**	**3214053**	50

General technical data for 6 mm² PT... push-in connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	6			
Cross section range	AWG	20 - 8			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Plug-in connection cross sections	[mm²]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	12			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

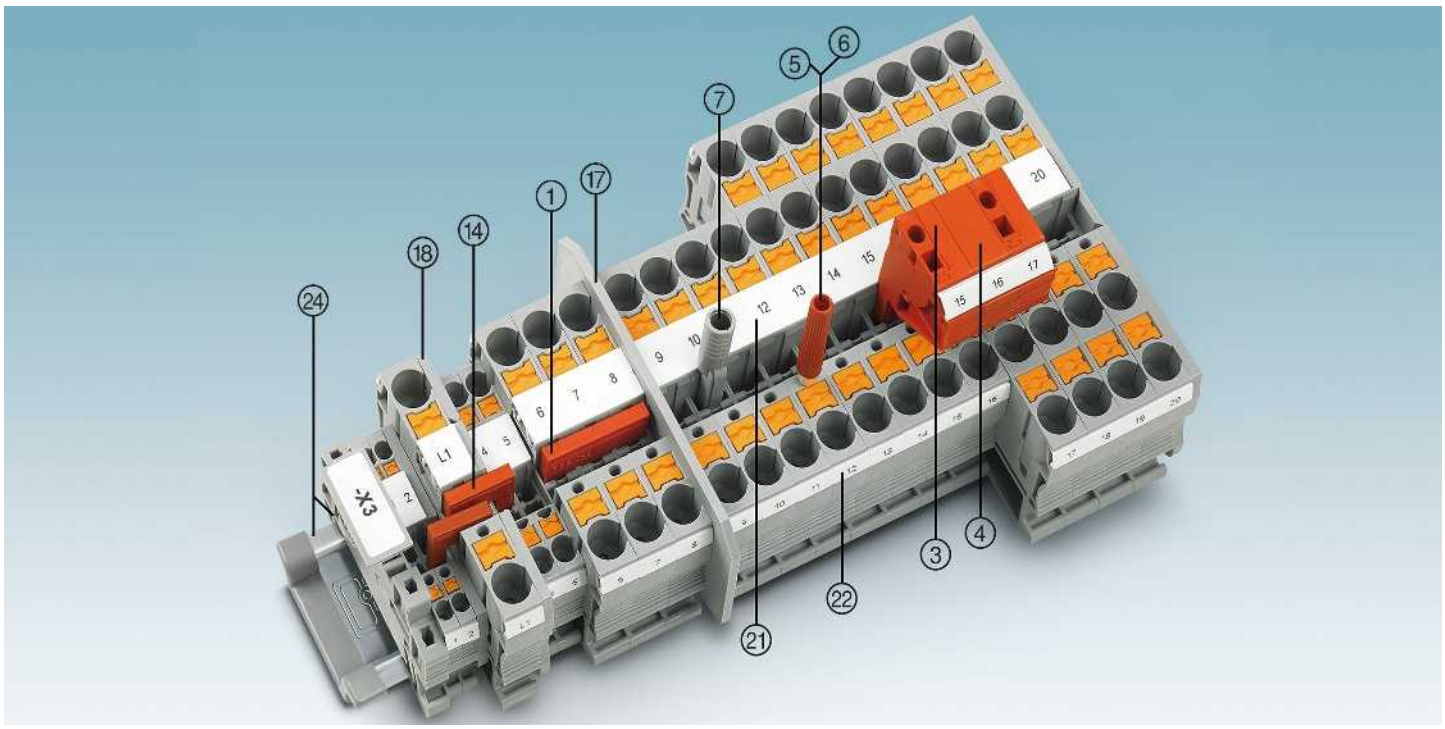


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 6 mm² PT... push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-8**	**3030284**	10	**FBSR 2-8**	**3033808**	10
	3	red	**FBS 3-8**	**3030297**	10	**FBSR 3-8**	**3001597**	10
	4	red	**FBS 4-8**	**3030307**	10	**FBSR 4-8**	**3000585**	10
	5	red	**FBS 5-8**	**3030310**	10	**FBSR 5-8**	**3033809**	10
	10	red	**FBS 10-8**	**3030323**	10	**FBSR 10-8**	**3001599**	10
	16	red				**FBSR 16-8**	**3033816**	10
③ **Modular test plug**		red	**PS-8**	**3031005**	10			
④ **Spacer plate**		red	**DP PS-8**	**3036741**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
Screwdriver			**SZF 2-0,8X4,0**	**1204520**	10			

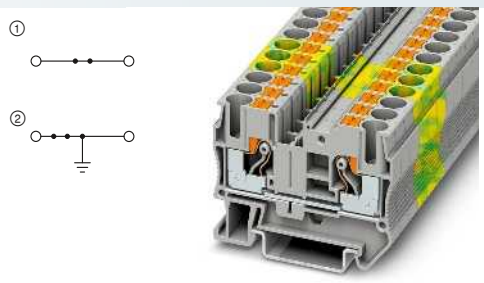
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 140.

For information on installation and using accessories for Ex applications, see page 602.



52 A, feed-through terminal block

Ex:

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

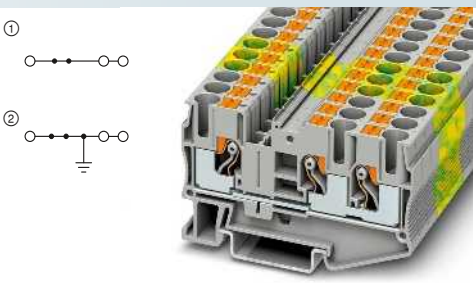
Dimensions				
	[mm]	Width	Length	Height
		8.2	57.7	43.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		52	1000	0.5 - 10 / 20-8
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 550
Nominal current / cross section	[A] / [mm²]	41 / 6	40 / -	40 / - / 36.5 / 6

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 6**	①	**3211813**	50
	blue	**PT 6 BU**	①	**3211819**	50
Ground terminal	green-yellow	**PT 6-PE**	②	**3211822**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 6**	**3212044**	50



52 A, feed-through terminal block, 3 connections

Ex:

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	74.2	43.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		52	1000	0.5 - 10 / 20-8
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 550
Nominal current / cross section	[A] / [mm²]	41 / 6	40 / -	40 / - / 35.5 / 6

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 6-TWIN	①	**3211929**	50
PT 6-TWIN BU	①	**3211485**	50
PT 6-TWIN-PE	②	**3211498**	50

Accessories[1])

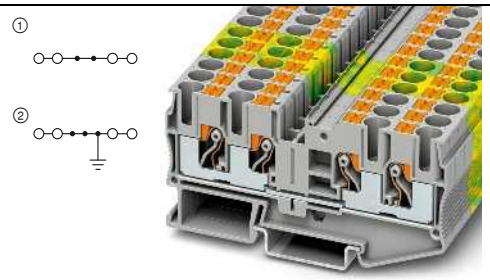
D-PT 6-TWIN	**3211508**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 140.

For information on installation and using accessories for Ex applications, see page 602.



52 A, feed-through terminal block, 4 connections

Ex:

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	90.5	43.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		52	1000	0.5 - 10 / 20-8
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 550
Nominal current / cross section	[A] / [mm²]	41 / 6	40 / -	40 / - / 36 / 6

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 6-QUATTRO**	①	**3212934**	50
	gray	**PT 6-QUATTRO BU**	①	**3212947**	50
Ground terminal	green-yellow	**PT 6-QUATTRO-PE**	②	**3212950**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 6-QUATTRO**	**3212963**	10

Test disconnect terminal blocks

Notes:
[1]) For additional accessories and technical data, see page 140.
The PTME 6 HV versions have a rated voltage of 1000 V.
For COMBI plug-in test disconnect terminal blocks, see page 276.



30 A, test disconnect terminal block



41 A, feed-through terminal block, same shape

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**100.8**	**49.6 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	**500**	**0.5 - 10** / **20-8**
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	30 / 6	30 / -	30 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Test disconnect terminal block	gray	**PTME 6**	①	**3212170**	50
	gray	**PTME 6 HV**	①	**3035696**	50
	blue	**PTME 6 HV BU**	①	**3035695**	50
Feed-through terminal block	gray				
Ground terminal	green-yellow				

Accessories[1])

Cover, width 2.2 mm	gray	**D-DTME 6**	**3034426**	10

Technical data[1])

Width	Length	Height	
8.2	**100.8**	**49.6 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**1000**	**0.5 - 10**	**20-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
1000	600	600	-
41 / 6	30 / -	30 / -	-

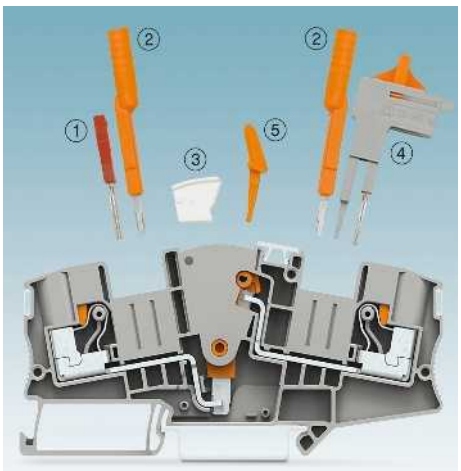
Ordering data

Type		Order No.	Pcs. / Pkt.
PTMED 6	①	**3212183**	50
PTMED 6-PE	②	**3212196**	50

Accessories[1])

D-DTME 6	**3034426**	10

Supplementary accessories for PTME 6 test disconnect terminal blocks



– Current transformer measuring circuit can be created using just two PTME 6
– Less space required compared to creating circuits with slide-type terminal blocks
① FBS... jumper for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switching jumper
⑤ C-ME 6/2 connection bridge

Ordering data

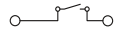
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	**PAI-4-FIX-5/6 OG**	**3035974**	10
	1	yellow	**PAI-4-FIX-5/6 YE**	**3035977**	10
	1	green	**PAI-4-FIX-5/6 GN**	**3035978**	10
	1	violet	**PAI-4-FIX-5/6 VT**	**3035979**	10
	1	black	**PAI-4-FIX-5/6 BK**	**3035980**	10
	1	blue	**PAI-4-FIX-5/6 BU**	**3035975**	10
	1	red	**PAI-4-FIX-5/6 RD**	**3035976**	10
	1	gray	**PAI-4-FIX-5/6 GY**	**3035982**	10
	1	brown	**PAI-4-FIX-5/6 BN**	**3035981**	10
Switching lock, plug-in		white	**S-ME 6**	**3034439**	10
Switching jumper, plug-in	2	gray/orange	**SB-ME 2-8**	**3034468**	10
	3	gray/orange	**SB-ME 3-8**	**3032800**	10
	4	gray/orange	**SB-ME 4-8**	**3034484**	10
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange	**C-ME 6/2**	**3034442**	10
	3	orange	**C-ME 6/3**	**3034390**	50

Hybrid terminal blocks with screw connection on one side, 6 (10) mm²

Notes:

[1]) For additional accessories and technical data, see page 140.

[2]) For screw connection rated data, see page 52.

① 



41 A, test disconnect terminal block

①



52 A, feed-through terminal block, same shape

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	8.2	73.9	48 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	500	0.5 - 10	-
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	-	-	-

Technical data[1])

		Width	Length	Height	
		8.2	73.9	48 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		52	800	0.5 - 10	-
		IEC	UL / CUL	CSA	Ex
		800	-	-	-
		41 / 6	-	-	-

Description	Color
Test disconnect terminal block	gray
with test sockets	gray
Feed-through terminal block	gray
with test sockets	gray

Ordering data

Type		Order No.	Pcs. / Pkt.
PTU 6-T	①	**3209535**	50
PTU 6-T-P	①	**3209530**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTUD 6	①	**3209531**	50
PTUD 6-P	①	**3209537**	50

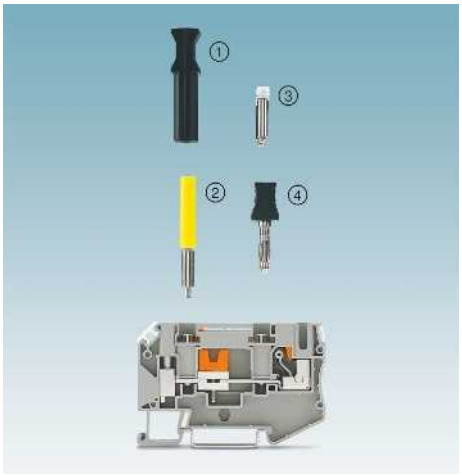
Accessories[1])

Cover, width 2.2 mm	**D-PTU 6-T**	**3209533**	50
Screwdriver	**SZS 1,0X4,0 VDE**	**1205066**	10

Accessories[1])

	D-PTU 6-T	**3209533**	50
	SZS 1,0X4,0 VDE	**1205066**	10

Supplementary accessories for PTU 6-T test disconnect terminal blocks



– Efficient wiring using push-in connection on the inside of the control cabinet
– Universal screw connection on the end customer side
– The following accessories are included for transformer short circuit and potential distribution:

① KSSI... insulated short-circuit plug
② PSBJ 6-T... test socket
③ SCBI 10-8,15... isolator bridge bar
④ KSS... short-circuit plug

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Insertion bridge, fully insulated	2	gray	**EB 2- 8**	**0202154**	100
	3	gray	**EB 3- 8**	**0202141**	100
	4	gray	**EB 4- 8**	**0202142**	100
	10	gray	**EB 10- 8**	**0202138**	10
Fixed bridge, 10-pos.	10	silver	**SCBI 10-8,15**	**3245134**	10
Isolator bridge bar, 10-pos.	10	silver	**SCBI 10-8,15 ISO**	**3000417**	10
Test socket		silver	**TPS 3/20/5**	**3246586**	10
Partition plate, 2 mm width		gray	**ATP-URTK/SP**	**0311139**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.	2	black	**KSSI 2-8**	**3000722**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A	2	black	**KSS 8**	**0311540**	10
Test socket, for test connection with test plug PS		orange	**PSBJ 6-T OG**	**3070320**	10

Diode terminal blocks

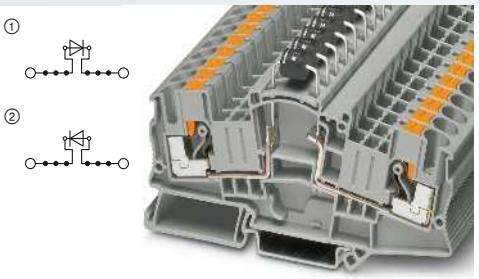
Notes:

[1]) For additional accessories and technical data, see page 140.

[2]) If the diode is loaded to 5 A, the surface reaches a temperature of 140°C.

[3]) 1000 V reverse voltage

If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them.



5 A, 1000 V, diode terminal block, same shape



Spacer plate, same shape

EAC

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**8.2**	**100.8**	**60 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	5[2])	**1000[3])**	**0.5 - 10**	**-**
Max. bridge current [A]	41 (FBS) / 32 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000[3])	-	-	-
Nominal current / cross section [A] / [mm²]	5[2]) / 6	-	-	-

Technical data[1])			
Width	Length	Height	
8.2	**100.8**	**49.6 (NS 35/7,5)**	
		max. Ø [mm²]	AWG (UL)
		-	**-**
-			
IEC	UL / CUL	CSA	Ex
-	-	-	-
-	-	-	-

Ordering data			
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**PTME 6-DIO/L-R HV** ①	**3035697**	50
	gray	**PTME 6-DIO/R-L HV** ②	**3035698**	50
Spacer plate	gray			

Ordering data		
Type	Order No.	Pcs. / Pkt.
DP-STMED 6	**3035690**	50

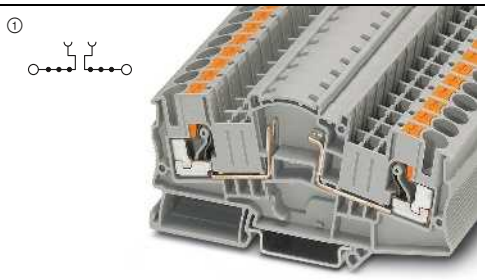
Accessories[1])				
		D-DTME 6	**3034426**	10

Accessories[1])		

Component terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 140.



Terminal block, for soldering a component

EAC

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**8.2**	**100.8**	**60 (NS 35/7,5)**	
Max. electrical data		$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		500	**0.5 - 10**	**-**
Max. bridge current [A]	32			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	-	-	-
Nominal current / cross section [A] / [mm²]	30 / 6	-	-	-

Ordering data			
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, component can be soldered in	gray	**PTME 6-BE** ①	**3035687**	50

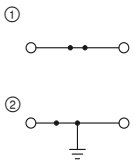
Accessories[1])				
Cover, width 2.2 mm	gray	**D-DTME 6**	**3034426**	10

Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 140.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products





41 A, feed-through terminal block





41 A, neutral disconnect terminal block

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
8.2	**66**	**50 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**800**	**0.5 - 10**	**-**
41 (FBS)			
IEC	UL / CUL	CSA	Ex
800	-	-	-
41 / 6	-	-	-

Ordering data

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Neutral disconnect terminal block	blue

Type		Order No.	Pcs. / Pkt.
PTI 6	①	**3213972**	50
PTI 6 BU	①	**3213973**	50
PTI 6-PE	②	**3213966**	50

Accessories[1])

Cover, width 2.2 mm	gray	
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	

D-DTI 6	**3034947**	50
AB-PTI 6	**3214008**	50

Technical data[1])

Width	Length	Height	
8.2	**66.3**	**50 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**400**	**0.5 - 10**	**-**
41 (FBS)			
IEC	UL / CUL	CSA	Ex
400	-	-	-
41 / 6	-	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
PTN 6	①	**3213967**	50

Accessories[1])

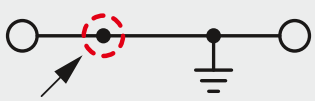
D-PTN 6	**3213979**	50
AB-PTI 6	**3214008**	50

10 mm² PT... push-in connection terminal blocks

General technical data for 10 mm² PT... push-in connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	10			
Cross section range	AWG	20 - 6			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 10
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 4
Plug-in connection cross sections	[mm²]	1 - 16	-	4 - 10	2.5 - 10
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

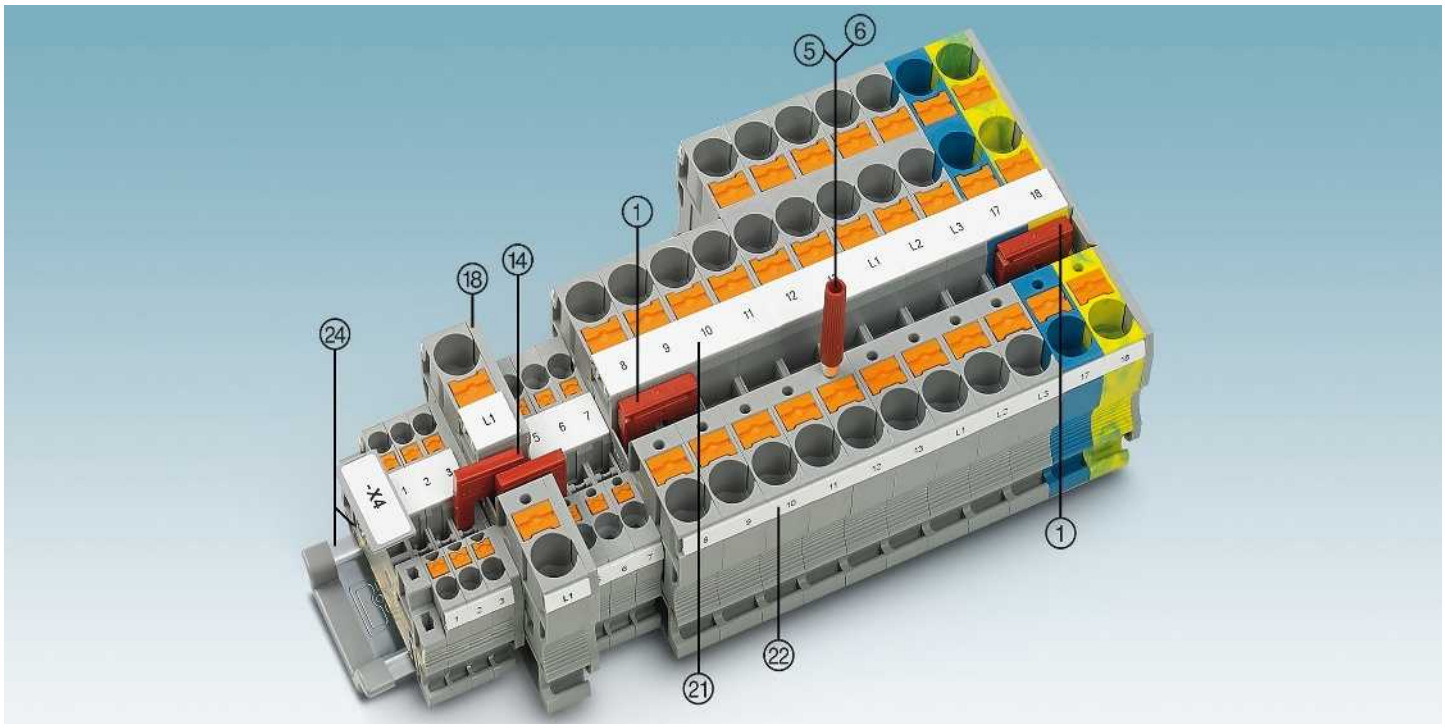


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-10**	**3005947**	10			
	5	red	**FBS 5-10**	**3005948**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10			

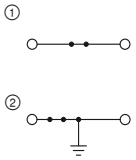
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 10, UCT-TMF 10 or ZBF 10. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

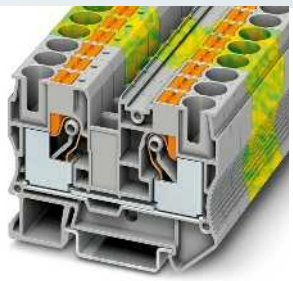
Feed-through and multi-conductor terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 146.

For information on installation and using accessories for Ex applications, see page 602.





70 A, feed-through terminal block

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

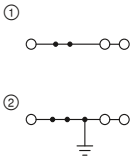
Dimensions				
	[mm]	Width	Length	Height
		10.2	**67.7**	**50.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		70	**1000**	**0.5 - 16** / **20-6**
Max. bridge current	[A]	57		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 550
Nominal current / cross section	[A] / [mm²]	57 / 10	60 / -	55 / - / 52.5 / 10

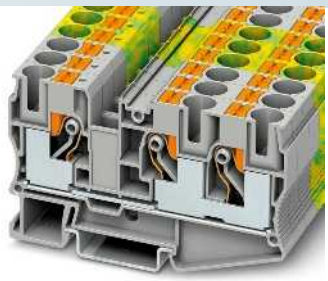
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 10**	①	**3212120**	50
	blue	**PT 10 BU**	①	**3212123**	50
Ground terminal	green-yellow	**PT 10-PE**	②	**3212131**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 10**	**3212057**	50





70 A, feed-through terminal block, 3 connections

SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

		Width	Length	Height
		10.2	**88.9**	**50.5 (NS 35/7,5)**
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		70	**1000**	**0.5 - 16** / **20-6**
		57		
		IEC	UL / CUL	CSA / Ex
		1000	600	600 / 550
		57 / 10	60 / -	55 / - / 48.5 / 10

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 10-TWIN	①	**3208746**	50
PT 10-TWIN BU	①	**3208747**	50
PT 10-TWIN-PE	②	**3208745**	50

Accessories[1])

D-PT 10-TWIN		**3208748**	50

PT... 10,3–HESI 1000V lever-type fuse terminal blocks for photovoltaics

Notes:

[1]) For additional accessories and technical data, see page 146.

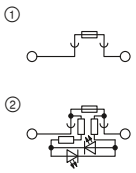
For tools for stripping and crimping solar cables and connectors, see Catalog 5.

For disconnect terminal blocks with 1000 V and PTME ... HV diode terminal blocks, see page 142 onwards.

For detailed information on PV applications and power dissipation data, see phoenixcontact.net/products

For matching fuse-links, refer to page 405.

For further fuse-links with UL approval, see phoenixcontact.net/products





20 A, 1000 V, lever-type fuse terminal block for 10.3 x 38 mm midget fuses

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		17.6	**87**	**63 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**1000**	**1.5 - 10**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 10	-	-	-
Cross section range	AWG	16 - 6	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	1.5 - 10
Plug-in connection cross sections	[mm²]	1.5 - 10	-	4 - 10	2.5 - 10

Ordering data

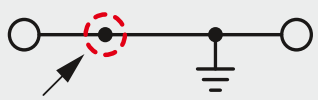
Description	Color	Type		Order No.	Pcs. / Pkt.
Fuse terminal block	black	**PT 10,3-HESI 1000V**	①	**3062142**	10
With LED for 400 - 1000 V DC	black	**PT 10,3-HESILED 1000V**	②	**3062143**	10

16 mm² PT... push-in connection terminal blocks

General technical data for 16 mm² PT... push-in connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	16			
Cross section range	AWG	20 - 4			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 25	0.5 - 16	0.5 - 16	0.5 - 16
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 4
Plug-in connection cross sections	[mm²]	2.5 - 25	-	2.5 - 16	2.5 - 16
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

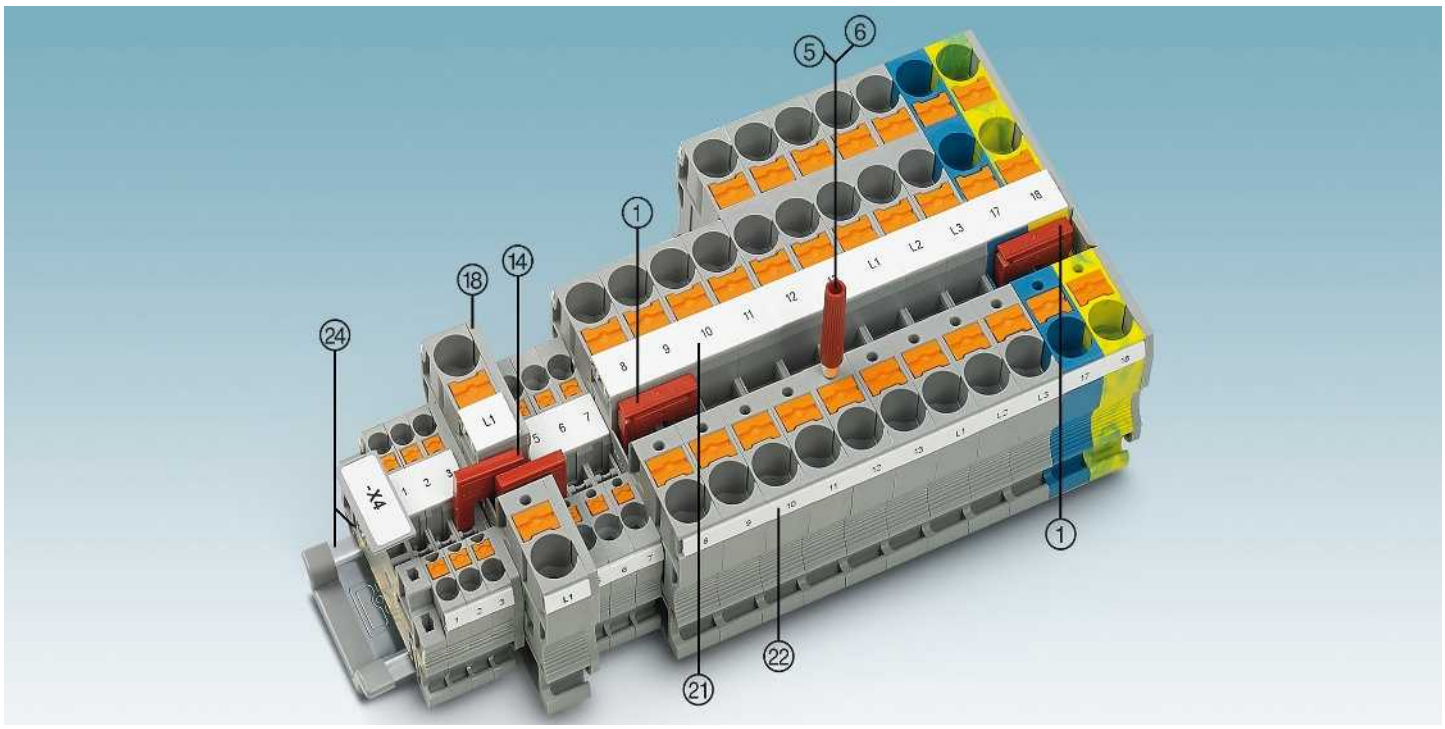


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 16 mm² PT... push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-12**	**3005950**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10			

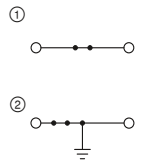
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 12, UCT-TMF 12 or ZBF 12. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

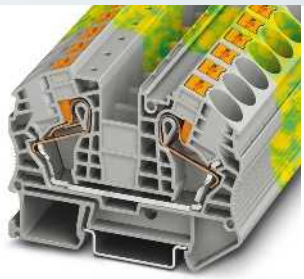
Feed-through and multi-conductor terminal blocks and ground terminals

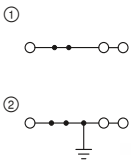
Notes:

[1]) For additional accessories and technical data, see page 148.

For information on installation and using accessories for Ex applications, see page 602.









85 A, feed-through terminal block

Ex: SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**12.2**	**75.4**	**52.6 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	85	**1000**	**0.5 - 25**	**20-4**
Max. bridge current [A]	76			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	550
Nominal current / cross section [A] / [mm²]	76 / 16	85	70	65.5 / 16

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 16 N**	①	**3212138**	50
	blue	**PT 16 N BU**	①	**3212142**	50
Ground terminal	green-yellow	**PT 16 N-PE**	②	**3212147**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 16 N**	**3212060**	50

85 A, feed-through terminal block, 3 connections

Ex: SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

	Width	Length	Height	
	12.2	**100.2**	**52.6 (NS 35/7,5)**	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	85	**1000**	**0.5 - 25**	**20-4**
	76			
	IEC	UL / CUL	CSA	Ex
	1000	600	600	550
	76 / 16	85	70	65.5 / 16

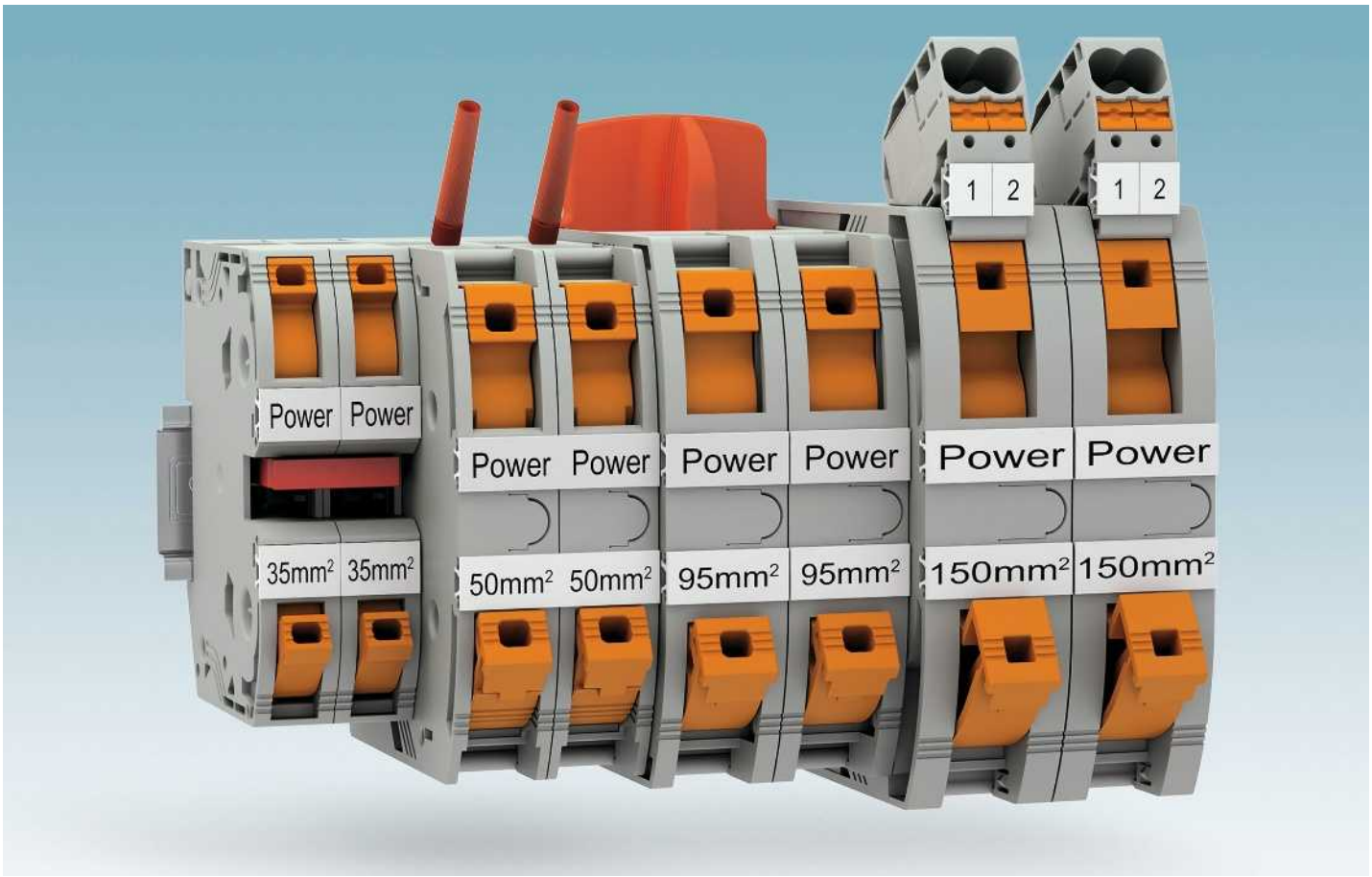
Ordering data

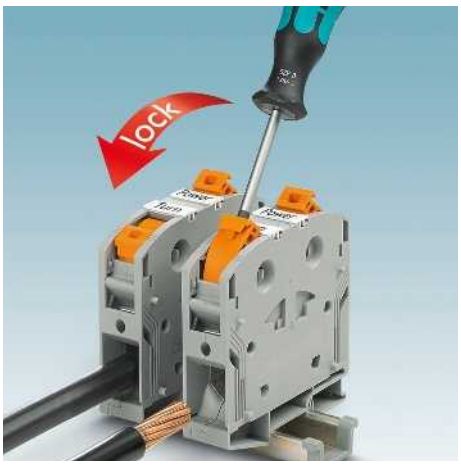
Type		Order No.	Pcs. / Pkt.
PT 16-TWIN N	①	**3208760**	25
PT 16-TWIN N BU	①	**3208773**	25
PT 16-TWIN N-PE	②	**3208786**	25

Accessories[1])

D-PT 16-TWIN N	**3208799**	50

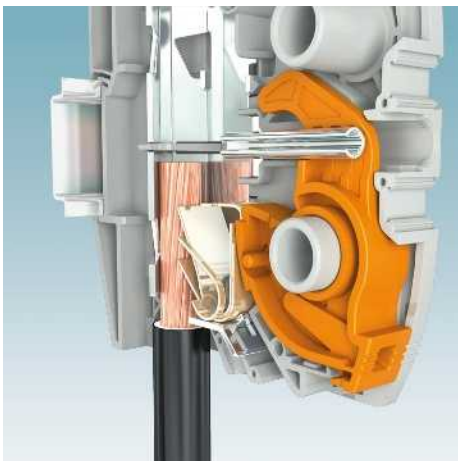
35 mm² PTPOWER Power-Turn high-current terminal blocks





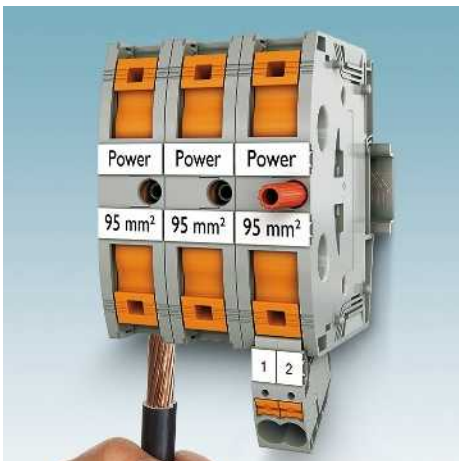
Twist connection

The patented Power-Turn spring connection technology enables large conductors to be connected quickly and easily using a standard screwdriver and a single lever movement.



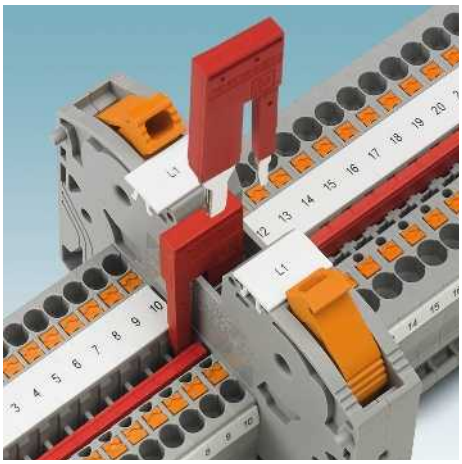
Reliable contact

Up to three high-quality spring steel pressure springs work with the prismatic terminal body base to create a vibration-resistant conductor connection that is stable in the long-term.

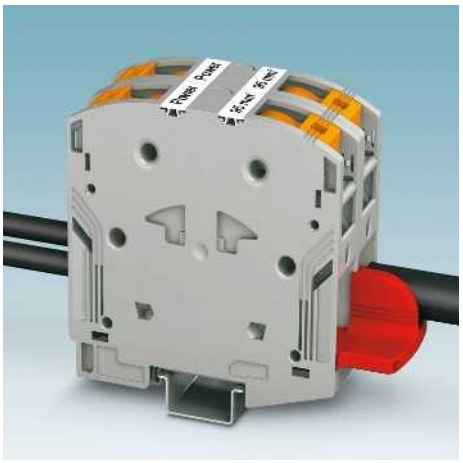


Direct connection

Quick and easy connection is now also possible for large conductors. Alternatively, conductors can also be quickly and easily inserted directly when the lever is closed by means of the push-in method.



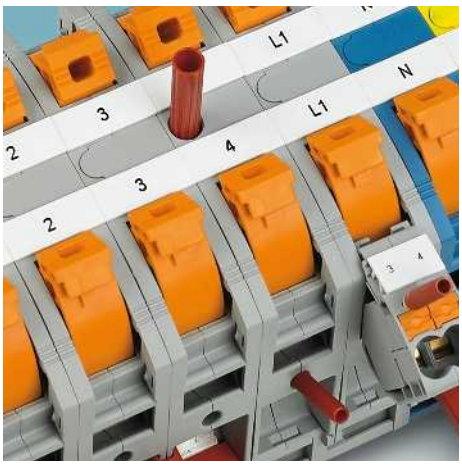
With PTPOWER 35, the reducing bridge enables terminal blocks with different nominal cross sections to be connected easily, e.g., to a PT 2,5 or PT 4 push-in terminal block. Power blocks can be created quickly using the reducing bridge.



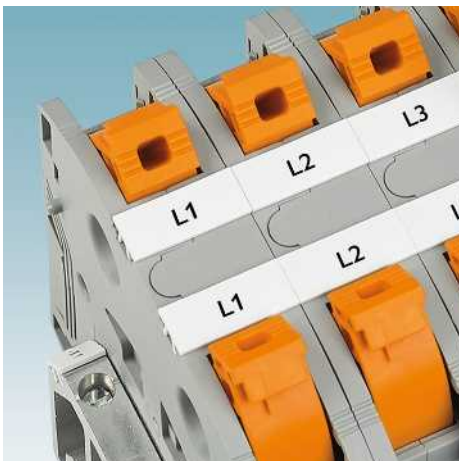
Distribute potentials with the isolated insertion bridges. They can be installed easily without any tools and latch securely in the clamping space. Thanks to their special design, they can also be easily identified following conductor connection.



The fully insulated and optional snap-on tap-off terminal block enables easy voltage tap-off for two conductors up to 16 mm². With large-surface marking option and integrated 2.3 mm test connection.



Test connection on both sides for standard test plugs with a diameter of 2.3 mm. High-current terminal block versions with 4 mm test connection in the terminal center are available for the use of 4 mm test plugs.



Large-surface, clear marking of the terminal points is essential for reliable and time-saving installation. Furthermore, it provides an optimum overview in the control cabinet.



Pre-assembled terminal block bases reduce mounting and storage costs. The right terminal block base for DIN rail or direct mounting is available for every function.

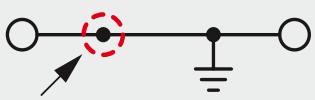
Your web code: #0158

35 mm² PTPOWER Power-Turn high-current terminal blocks

General technical data for 35 mm² PTPOWER Power-Turn high-current terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	35			
Cross section range	AWG	10 - 2			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	6 - 35	6 - 35	-	6 - 35
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	2.5 - 10
Plug-in connection cross sections	[mm²]	6 - 35	6 - 35	6 - 35	6 - 35
General data					
Stripping length	[mm]	25			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

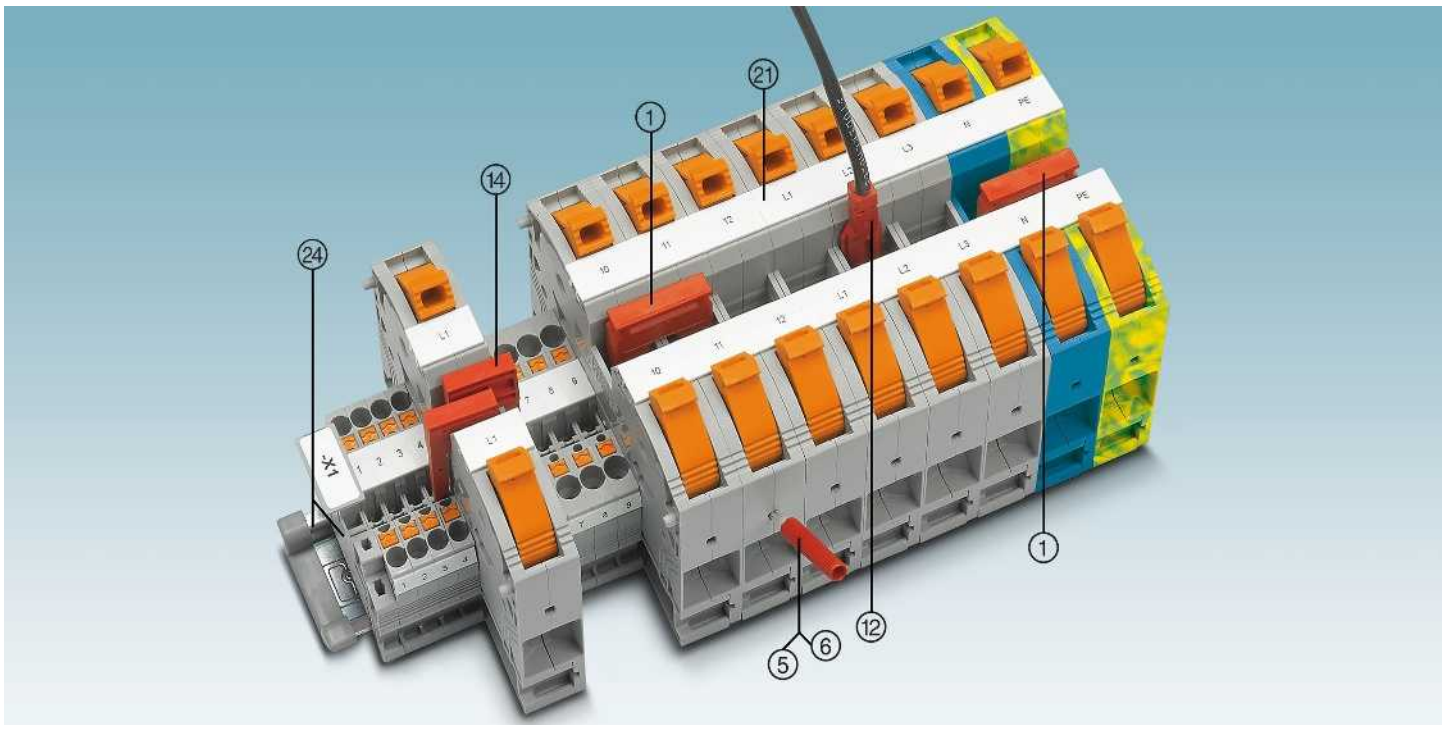


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 35 mm² PTPOWER Power-Turn high-current terminal blocks



Description	Number of positions	Color
① **Jumper**[1])	2	red
⑤ **Test plug metal part**		silver
⑥ **Insulating sleeve,** for MPS metal part		red
⑫ **Test plug,** with 2.5 mm² conductor		red
Screwdriver		

Type	Order No.	Pcs. / Pkt.
FBS 2-16	**3005963**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PAI-ST 35/1000MM	**3029994**	20
SZF 3-1,0X5,5	**1206612**	10

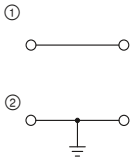
Type	Order No.	Pcs. / Pkt.

⑭ **Reducing bridge**	**RB PTPOWER 35-ST(2,5/4) Order No. 3030900 for reduction bridging to ST 2,5 / PT 2,5 or ST 4 / PT 4** **RB PTPOWER 35-ST 16 Order No. 3032170 for reduction bridging to ST 16 / PT 16**
㉑ **Center groove marking**	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

High-current terminal blocks

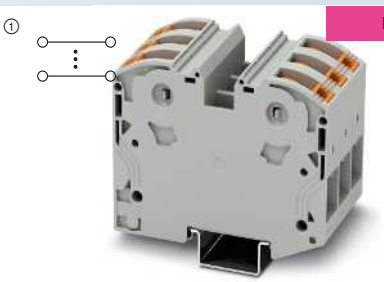
Notes:

[1]) For additional accessories and technical data, see page 152.





125 A, feed-through terminal block



125 A, terminal block base

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**16**	**91.6**	**62.3 (NS 35/15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**1000**	**6 - 35**	**-**
Max. bridge current	[A]	125			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	125	-	-	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**48**	**91.6**	**62.3 (NS 35/15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**1000**	**6 - 35**	**-**
Max. bridge current	[A]	125			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	125	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTPOWER 35**	①	**3212064**	10
	blue	**PTPOWER 35 BU**	①	**3212065**	10
	black/yellow	**PTPOWER 35-FE**	①	**3212081**	10
Ground terminal	green-yellow	**PTPOWER 35-PE**	②	**3212066**	10
Terminal block base, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
PTPOWER 35-3L	①	**3212068**	10
PTPOWER 35-3L/N	①	**3212069**	10
PTPOWER 35-3L/FE	①	**3212070**	10
PTPOWER 35-3L/N/FE	①	**3212071**	10

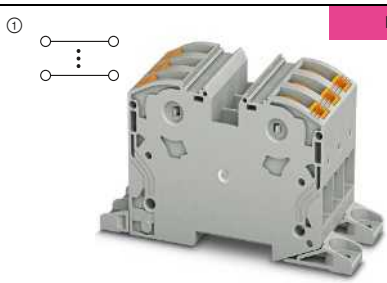
High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 152.



125 A, feed-through terminal block for direct mounting



125 A, terminal block base for direct mounting

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**16**	**91.6**	**62.3 (NS 35/15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**1000**	**6 - 35**	**-**
Max. bridge current	[A]	125			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	125	-	-	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**48**	**91.6**	**62.3 (NS 35/15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**1000**	**6 - 35**	**-**
Max. bridge current	[A]	125			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	125	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for direct mounting	gray	**PTPOWER 35-F**	①	**3212078**	10
	blue	**PTPOWER 35-F BU**	①	**3212079**	10
	black/yellow	**PTPOWER 35-FE-F**	①	**3212082**	10
Terminal block base, for direct mounting, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
PTPOWER 35-3L-F	①	**3212072**	10
PTPOWER 35-3L/N-F	①	**3212073**	10
PTPOWER 35-3L/FE-F	①	**3212075**	10
PTPOWER 35-3L/N/FE-F	①	**3212076**	10

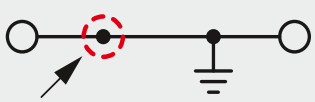
50 mm² PTPOWER Power-Turn high-current terminal blocks

General technical data for 50 mm² PTPOWER Power-Turn high-current terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	50			
Cross section range	AWG	8 - 2/0			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	10 - 70	10 - 70	10 - 50	10 - 50
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	10 - 16
Plug-in connection cross sections	[mm²]	10 - 70	-	10 - 50	10 - 50
Max. cross section with insertion bridge	[mm²]	50	50	-	-
General data					
Stripping length	[mm]	30			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

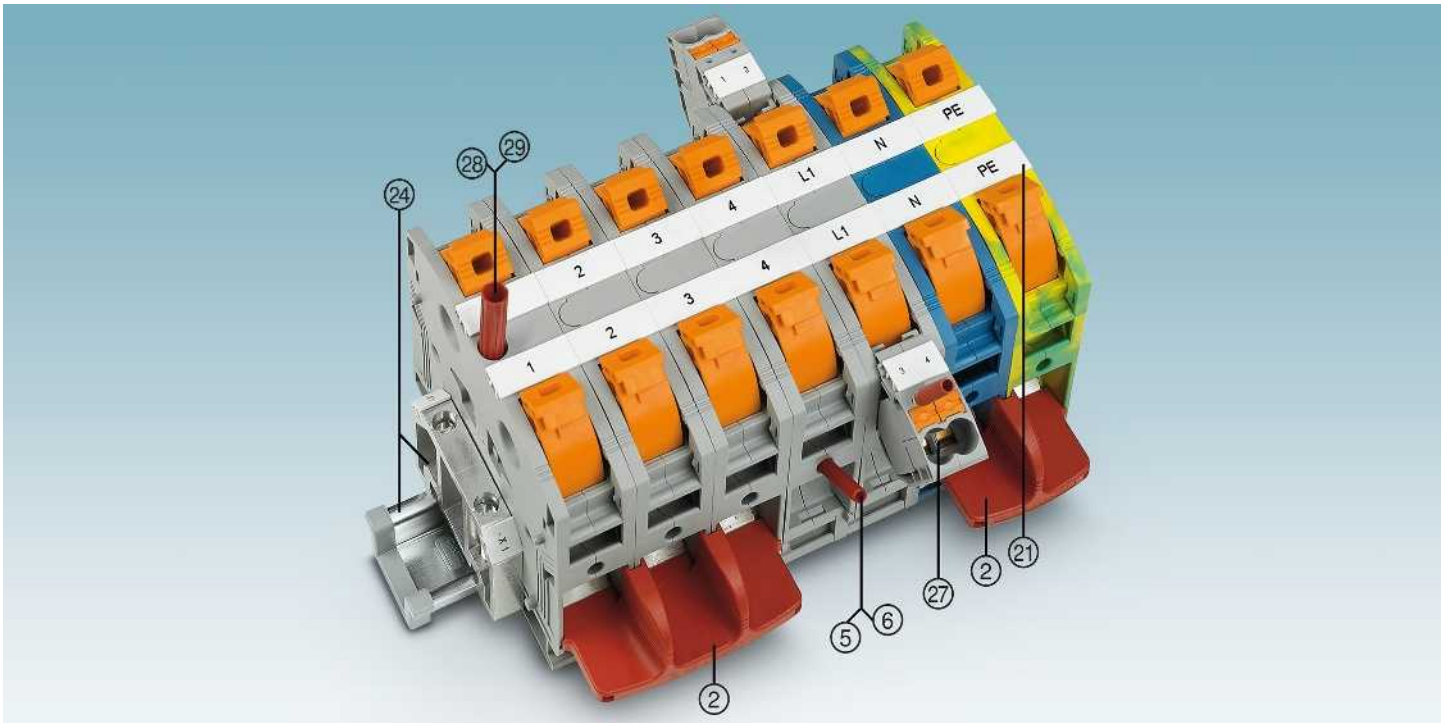


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 50 mm² PTPOWER Power-Turn high-current terminal blocks



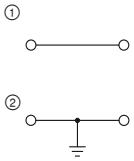
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② **Insertion bridge**[1])	2	red	**EB 2-20/PT**	**3260067**	10			
	3	red	**EB 3-20/PT**	**3260068**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
㉗ **Tap-off terminal block**		gray	**AGK 10-PTPOWER**	**3260145**	10			
		blue	**AGK 10-PTPOWER BU**	**3260148**	10			
		green/yellow	**AGK 10-PTPOWER GN/YE**	**3260151**	10			
		black/yellow	**AGK 10-PTPOWER BK/YE**	**3260154**	10			
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10			

㉑ **Center groove marking**	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉘㉙ **Test plug**	**For MPS-MT/ 4MM and PS-IH RD, see page 346.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

High-current terminal blocks

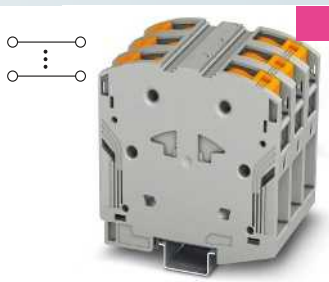
Notes:

[1]) For additional accessories and technical data, see page 154.





150 A, feed-through terminal block



150 A, terminal block base

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**20**	**101**	**105 (NS 35/15)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	150	**1500**	**10 - 70**	**-**
Max. bridge current [A]	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1500	-	-	-
Nominal current / cross section [A] / [mm²]	150	-	-	-

Technical data[1])				
Width	Length	Height		
60	**101**	**105 (NS 35/15)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
150	**1500**	**10 - 70**	**-**	
150				
IEC	UL / CUL	CSA	Ex	
1500	-	-	-	
150	-	-	-	

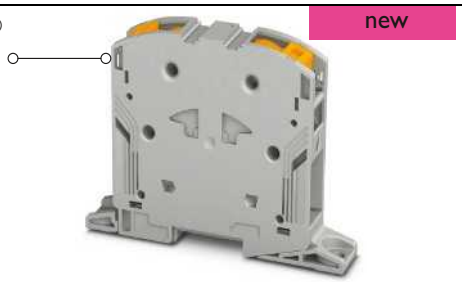
Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTPOWER 50**	①	**3260050**	10
	blue	**PTPOWER 50 BU**	①	**3260051**	10
	black/yellow	**PTPOWER 50-FE**	①	**3260063**	10
with 4 mm test connection	gray	**PTPOWER 50 P**	①	**3260065**	10
Ground terminal	green-yellow	**PTPOWER 50-PE**	②	**3260052**	10
Terminal block base, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Type		Order No.	Pcs. / Pkt.
PTPOWER 50-3L	①	**3260053**	10
PTPOWER 50-3L/N	①	**3260054**	10
PTPOWER 50-3L/FE	①	**3260055**	10
PTPOWER 50-3L/N/FE	①	**3260056**	10

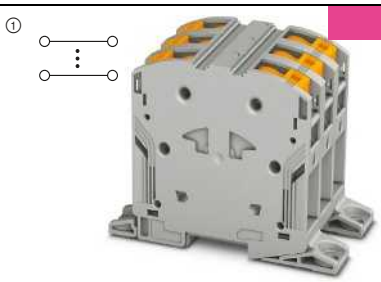
High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 154.



150 A, feed-through terminal block for direct mounting



150 A, terminal block base for direct mounting

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**20**	**101**	**105 (NS 35/15)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	150	**1500**	**10 - 70**	**-**
Max. bridge current [A]	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1500	-	-	-
Nominal current / cross section [A] / [mm²]	150	-	-	-

Technical data[1])				
Width	Length	Height		
60	**101**	**105 (NS 35/15)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
150	**1500**	**10 - 70**	**-**	
150				
IEC	UL / CUL	CSA	Ex	
1500	-	-	-	
150	-	-	-	

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for direct mounting	gray	**PTPOWER 50-F**	①	**3260061**	10
	blue	**PTPOWER 50-F BU**	①	**3260062**	10
	black/yellow	**PTPOWER 50-FE-F**	①	**3260064**	10
Terminal block base, for direct mounting, with three gray feed-through terminal blocks	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Type		Order No.	Pcs. / Pkt.
PTPOWER 50-3L-F	①	**3260057**	10
PTPOWER 50-3L/N-F	①	**3260058**	10
PTPOWER 50-3L/FE-F	①	**3260059**	10
PTPOWER 50-3L/N/FE-F	①	**3260060**	10

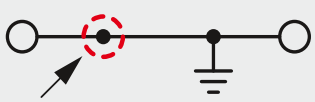
95 mm² PTPOWER Power-Turn high-current terminal blocks

General technical data for 95 mm² PTPOWER Power-Turn high-current terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	95			
Cross section range	AWG	4 - 3/0			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	25 - 95	25 - 95	25 - 95	25 - 95
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
Plug-in connection cross sections	[mm²]	25 - 95	-	25 - 95	25 - 95
Max. cross section with insertion bridge	[mm²]	95	70	-	-
General data					
Stripping length	[mm]	40			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

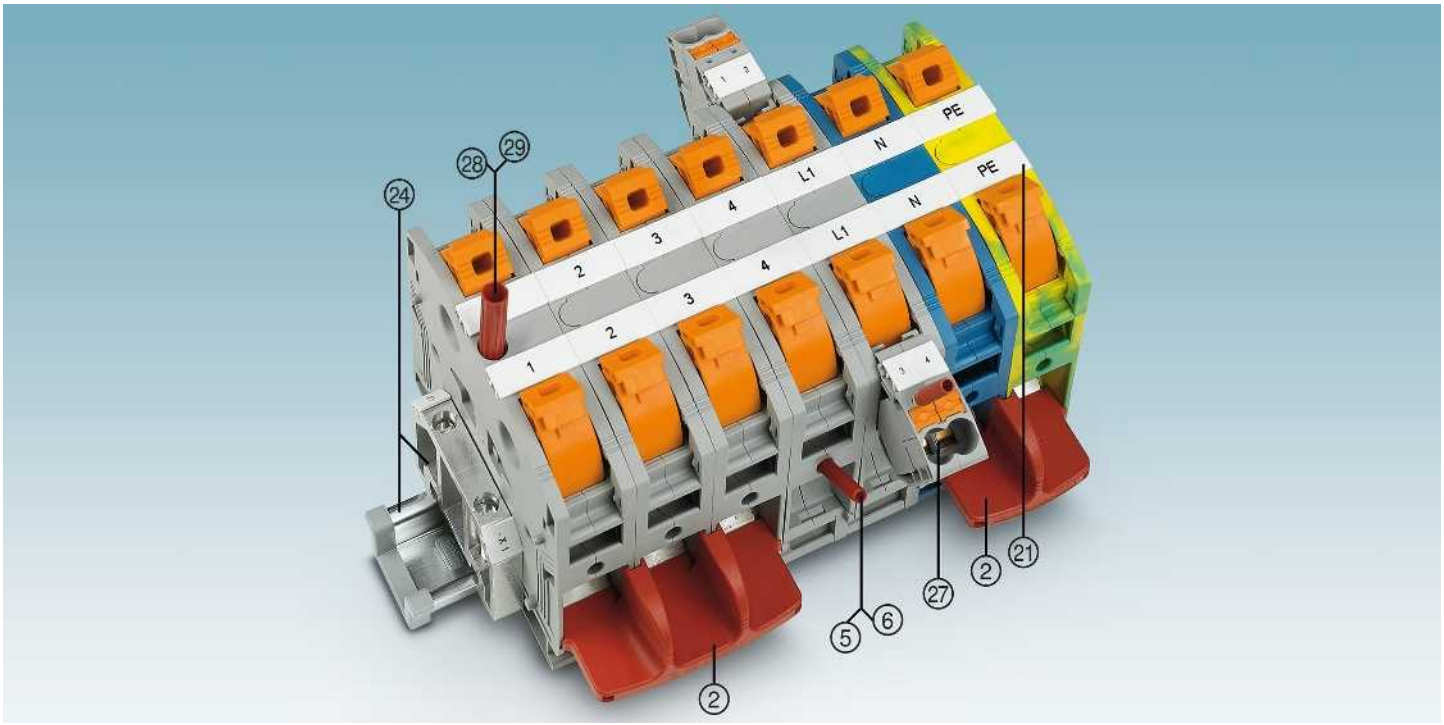


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 95 mm² PTPOWER Power-Turn high-current terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② **Insertion bridge**[1])	2	red	**EB 2-20/PT**	**3260067**	10			
	3	red	**EB 3-20/PT**	**3260068**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
㉗ **Tap-off terminal block**		gray	**AGK 10-PTPOWER**	**3260145**	10			
		blue	**AGK 10-PTPOWER BU**	**3260148**	10			
		green/yellow	**AGK 10-PTPOWER GN/YE**	**3260151**	10			
		black/yellow	**AGK 10-PTPOWER BK/YE**	**3260154**	10			
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10			

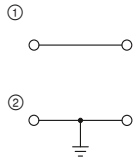
㉑ **Center groove marking**	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉘㉙ **Test plug**	**For MPS-MT/ 4MM and PS-IH RD, see page 346.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

High-current terminal blocks

Notes:

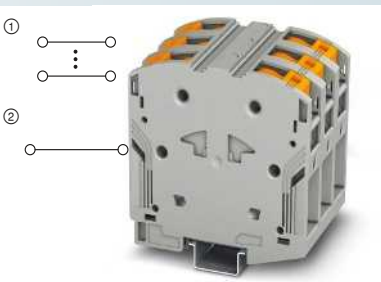
[1]) For additional accessories and technical data, see page 156.

For information on installation and using accessories for Ex applications, see page 602.





232 A, feed-through terminal block



232 A, terminal block base

Ex: SEV14ATEX0156U / IECExSEV14.0013U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**25**	**105.5**	**108.7 (NS 35/15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1500**	**25 - 95**	**4-4/0**
Max. bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1500	1000	-	1100
Nominal current / cross section	[A] / [mm²]	232 / 95	230	-	215 / 95

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**75**	**105.5**	**108.7 (NS 35/15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1500**	**25 - 95**	**4-4/0**
Max. bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1500	1000	-	-
Nominal current / cross section	[A] / [mm²]	232 / 95	230	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTPOWER 95**	①	**3260100**	10
	blue	**PTPOWER 95 BU**	①	**3260103**	10
	black/yellow	**PTPOWER 95-FE**	①	**3260139**	10
with 4 mm test connection	gray	**PTPOWER 95 P**	①	**3260163**	10
Ground terminal	green/yellow	**PTPOWER 95-PE**	②	**3260106**	10
Terminal block base, 3 x gray	gray				
3 x gray	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
PTPOWER 95-3L	①	**3260109**	3
PTPOWER 95-3L/N	②	**3260112**	2
PTPOWER 95-3L/FE	②	**3260115**	2
PTPOWER 95-3L/N/FE	②	**3260118**	2

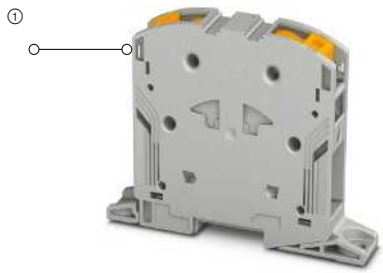
High-current terminal blocks for direct mounting

Notes:

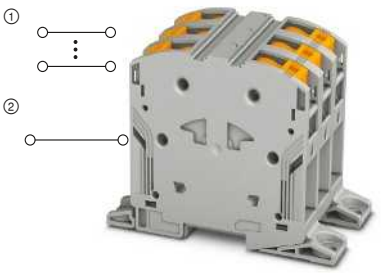
[1]) For additional accessories and technical data, see page 156.

For drilling diagram, see phoenixcontact.net/products

For information on installation and using accessories for Ex applications, see page 602.



232 A, feed-through terminal block, for direct mounting



232 A, terminal block base for direct mounting

Ex: SEV14ATEX0156U / IECExSEV14.0013U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**25**	**139.1**	**99.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1500**	**25 - 95**	**4-4/0**
Max. bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1500	1000	-	1100
Nominal current / cross section	[A] / [mm²]	232 / 95	230	-	215 / 95

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**75**	**139.1**	**99.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1500**	**25 - 95**	**4-4/0**
Max. bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1500	1000	-	-
Nominal current / cross section	[A] / [mm²]	232 / 95	230	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for direct mounting	gray	**PTPOWER 95-F**	①	**3260133**	10
	blue	**PTPOWER 95-F BU**	①	**3260136**	10
	black/yellow	**PTPOWER 95-FE-F**	①	**3260142**	10
Terminal block base, for direct mounting, with three gray feed-through terminal blocks	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
PTPOWER 95-3L-F	①	**3260121**	3
PTPOWER 95-3L/N-F	②	**3260124**	2
PTPOWER 95-3L/FE-F	②	**3260127**	2
PTPOWER 95-3L/N/FE-F	②	**3260130**	2

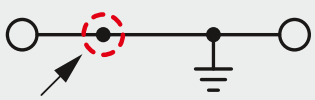
150 mm² PTPOWER Power-Turn high-current terminal blocks

General technical data for 150 mm² PTPOWER Power-Turn high-current terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	150			
Cross section range	AWG	1/0 - 300 kcmil			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	50 - 150	50 - 150	50 - 95	50 - 95
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
Plug-in connection cross sections	[mm²]	50 - 150	-	50 - 95	50 - 95
Max. cross section with insertion bridge	[mm²]	150	150	-	-
General data					
Stripping length	[mm]	40			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

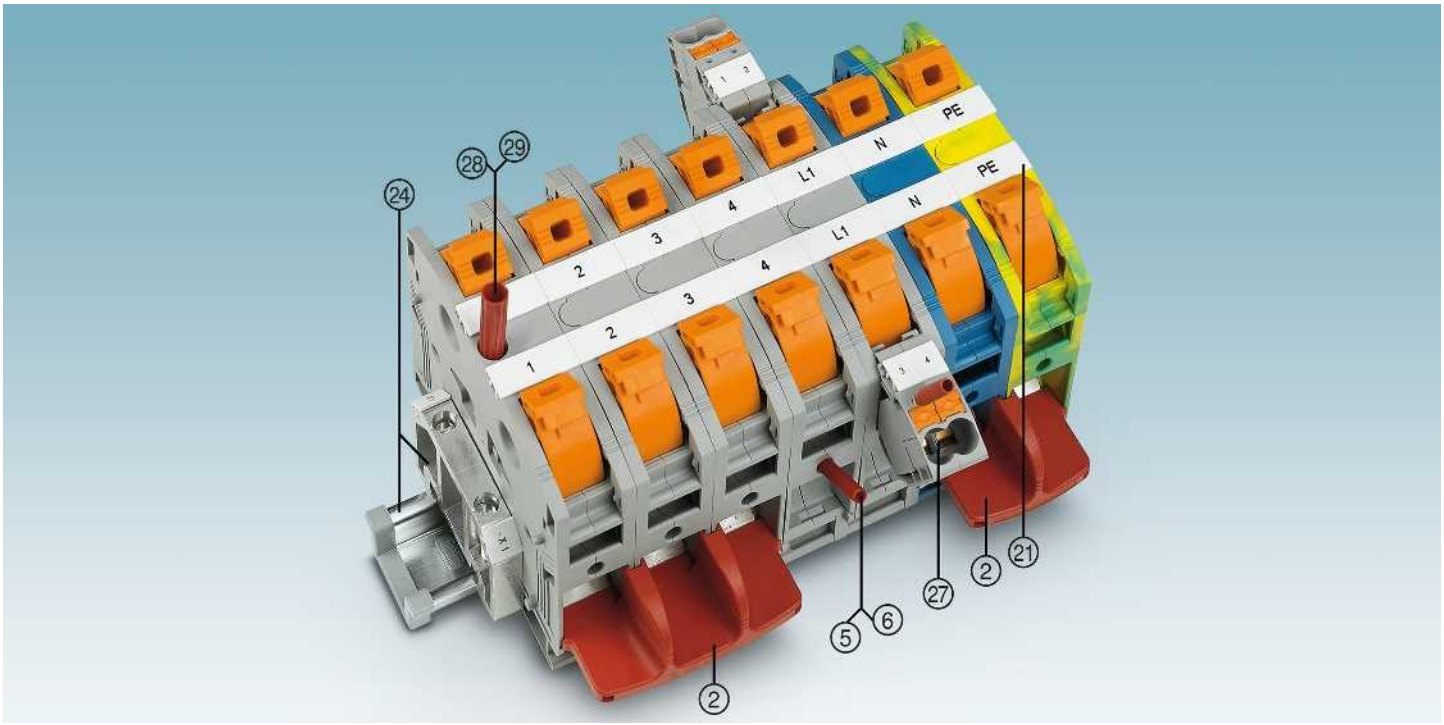


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 150 mm² PTPOWER Power-Turn high-current terminal blocks



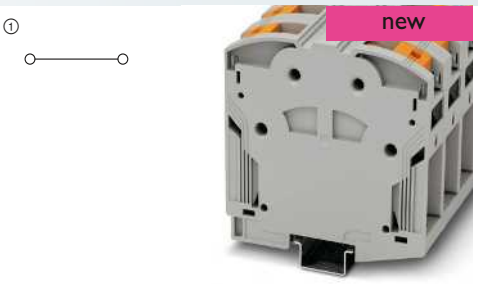
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② **Insertion bridge**[1])	2	red	**EB 2-31/PT**	**3215057**	5			
	3	red	**EB 3-31/PT**	**3215058**	5			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
㉗ **Tap-off terminal block**		gray	**AGK 10-PTPOWER**	**3260145**	10			
		blue	**AGK 10-PTPOWER BU**	**3260148**	10			
		green/yellow	**AGK 10-PTPOWER GN/YE**	**3260151**	10			
		black/yellow	**AGK 10-PTPOWER BK/YE**	**3260154**	10			
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10			

㉑ **Center groove marking**	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉘㉙ **Test plug**	**For MPS-MT/ 4MM and PS-IH RD, see page 346.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 158.



309 A, feed-through terminal block



309 A, terminal block base

Technical data[1])			
Dimensions			
Width	Length	Height	
31	116.4	116.5 (NS 35/15)	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	1500	50 - 150	-
Max. bridge current [A]			
150			
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]			
1500	-	-	-
Nominal current / cross section [A] / [mm²]			
309 / 150	-	-	-

Technical data[1])			
Dimensions			
Width	Length	Height	
93	116.4	108.7 (NS 35/15)	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	1500	50 - 150	-
Max. bridge current [A]			
150			
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]			
1500	-	-	-
Nominal current / cross section [A] / [mm²]			
309 / 150	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTPOWER 150**	①	**3215000**	3
	blue	**PTPOWER 150 BU**	①	**3215001**	3
	black/yellow	**PTPOWER 150-FE**	①	**3215002**	3
with 4 mm test connection	gray	**PTPOWER 150 P**	①	**3215003**	3
	blue	**PTPOWER 150 P BU**	①	**3215004**	3
Terminal block base, 3 x gray	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
PTPOWER 150-3L	①	**3215005**	1
PTPOWER 150-3L/N	①	**3215006**	1
PTPOWER 150-3L/FE	①	**3215007**	1
PTPOWER 150-3L/N/FE	①	**3215008**	1

High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 158.



309 A, feed-through terminal block, for direct mounting



309 A, terminal block base for direct mounting

Technical data[1])			
Dimensions			
Width	Length	Height	
31	150	108.3	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	1500	50 - 150	-
Max. bridge current [A]			
150			
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]			
1500	-	-	-
Nominal current / cross section [A] / [mm²]			
309 / 150	-	-	-

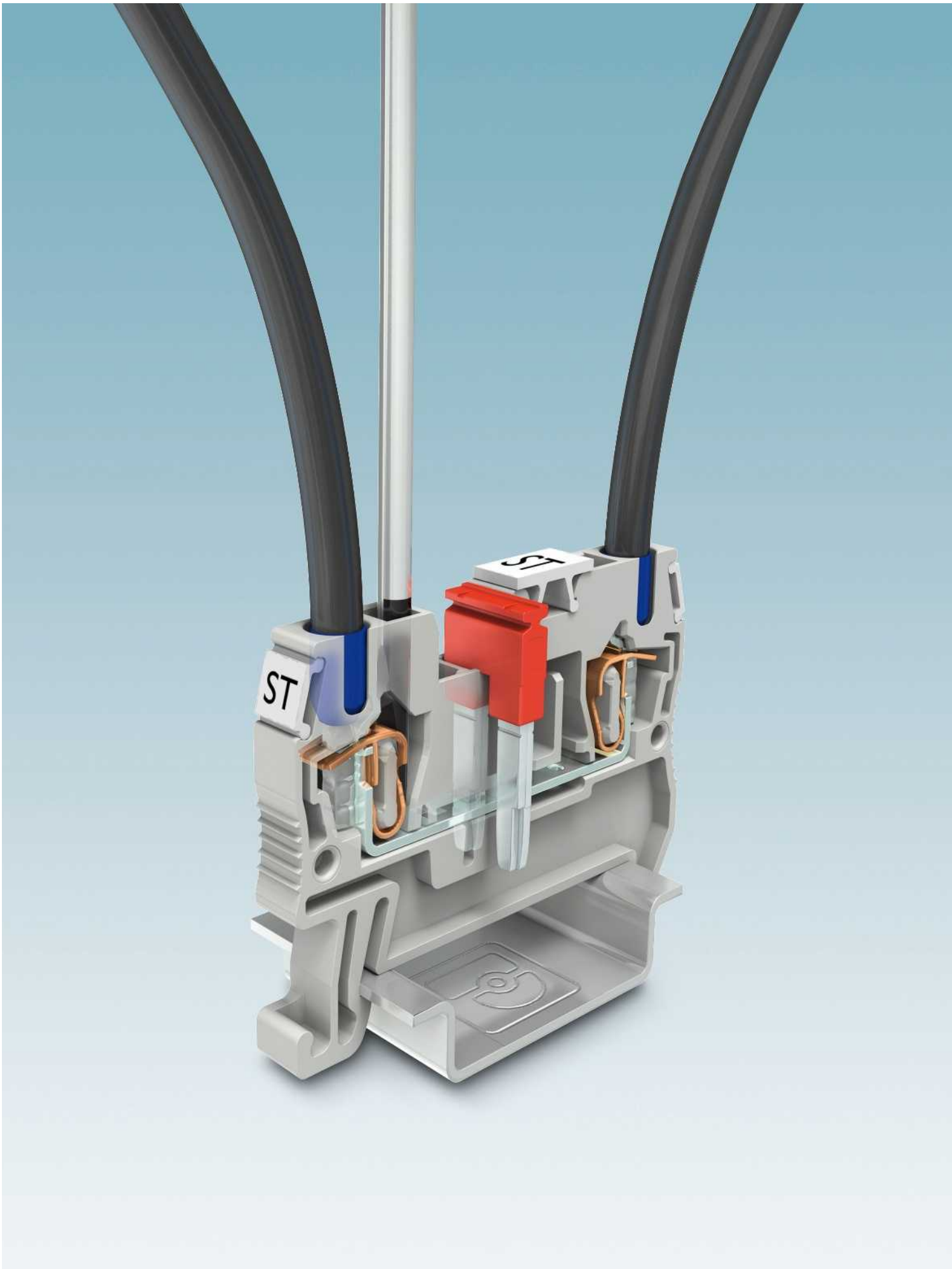
Technical data[1])			
Dimensions			
Width	Length	Height	
31	150	108.3	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	1500	50 - 150	-
Max. bridge current [A]			
150			
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]			
1500	-	-	-
Nominal current / cross section [A] / [mm²]			
309 / 150	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for direct mounting	gray	**PTPOWER 150 F**	①	**3215030**	3
	blue	**PTPOWER 150 F BU**	①	**3215031**	3
	black/yellow	**PTPOWER 150-FE-F**	①	**3215032**	3
Terminal block base, for direct mounting, with three gray feed-through terminal blocks	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
PTPOWER 150-3L-F	①	**3215033**	1
PTPOWER 150-3L/N-F	①	**3215034**	1
PTPOWER 150-3L/FE-F	①	**3215035**	1
PTPOWER 150-3L/N/FE-F	①	**3215036**	1


ST
ST

ST... spring-cage connection terminal blocks

The ST... spring-cage connection terminal blocks from the CLIPLINE complete system have been developed for universal spring-loaded conductor contacting. The high contact force guarantees a vibration-proof, gas-tight connection with long-term stability.

The compact front connection ensures easy operation. The terminal point is opened using a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact.

All kinds of copper conductors up to 35 mm² can be clamped without any pretreatment.

Spring-cage connection terminal blocks offer a large insertion space, which means that conductors with a nominal cross section can be wired both with and without ferrules.

Product range overview

1.5 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **167**

2.5 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **171**
Initiator/actuator terminal blocks **174**
Disconnect and knife disconnect terminal blocks **176**
Diode terminal blocks **178**
Hybrid terminal blocks with screw connection on one side **180**

Desk-design terminal blocks **180**
Desk-design disconnect and knife disconnect terminal blocks **181**
Mini terminal blocks **182**

4 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **187**
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape **189**
Disconnect and knife disconnect terminal blocks **190**
Diode terminal blocks **190**
Hybrid terminal blocks with screw connection on one side **191**

Desk-design terminal blocks **191**
Desk-design disconnect and knife disconnect terminal blocks **193**

6 mm²

Feed-through and multi-conductor terminal blocks and ground terminals **195**
Test disconnect terminal blocks **196**
Diode terminal blocks **197**
Desk-design terminal blocks **197**
Fuse terminal blocks **199**

10 mm²

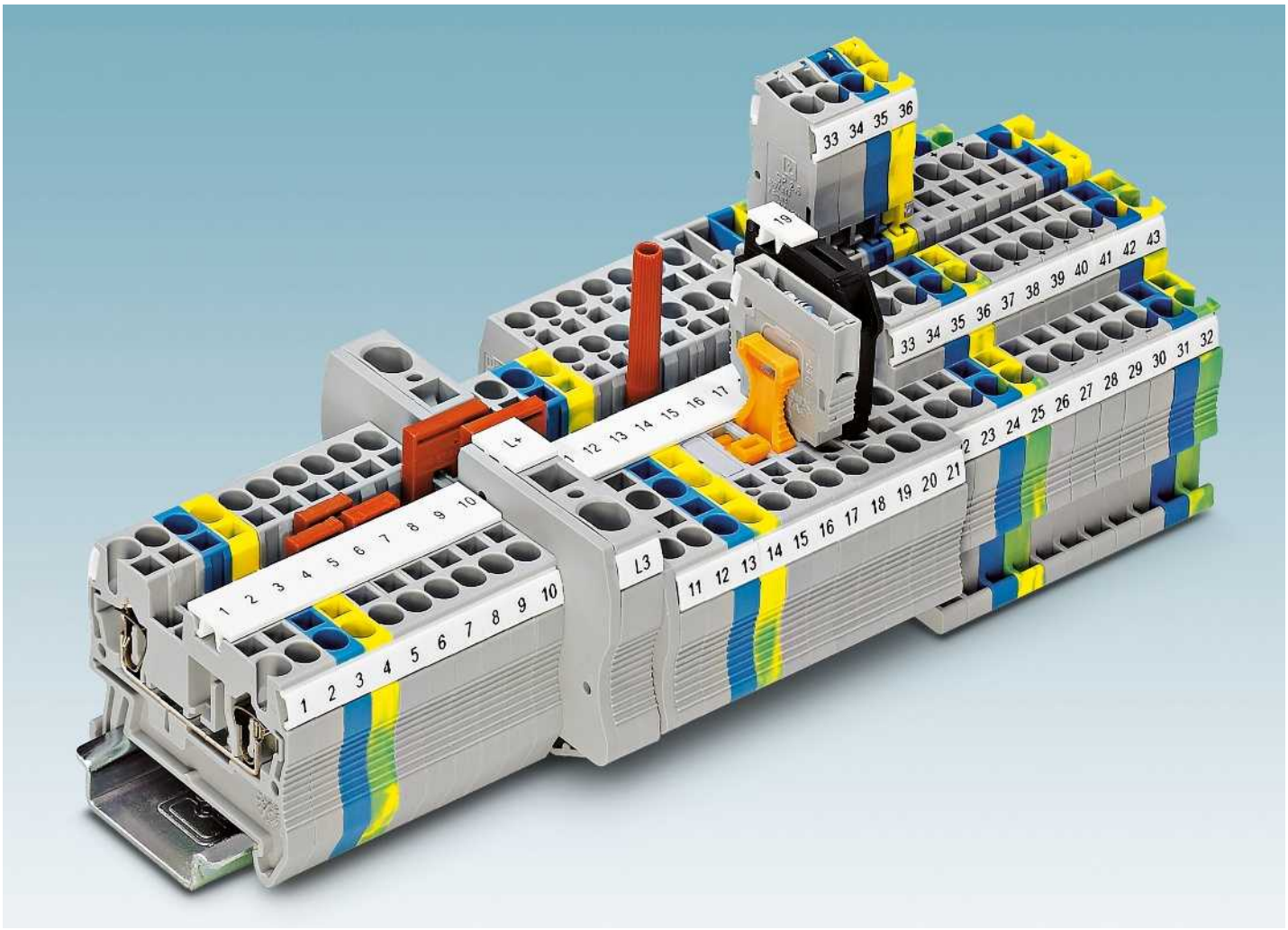
Feed-through and multi-conductor terminal blocks and ground terminals **201**
Installation terminal blocks **201**
Hybrid terminal blocks with screw connection on one side **202**

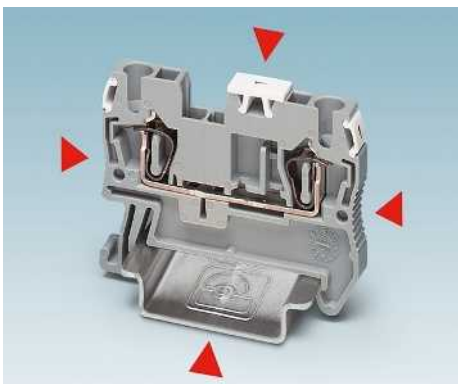
16 mm²

Feed-through and multi-conductor terminal blocks and ground terminals **205**
Installation terminal blocks **205**

35 mm²

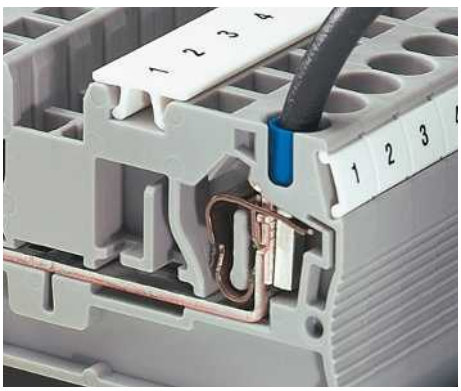
Feed-through terminal blocks and ground terminals **207**
Hybrid terminal blocks with screw connection on one side **207**





Space-saving design

Thanks to the space-saving design and conductor entry from above, ST... spring-cage terminal blocks are ideal for control systems where limited space is available.



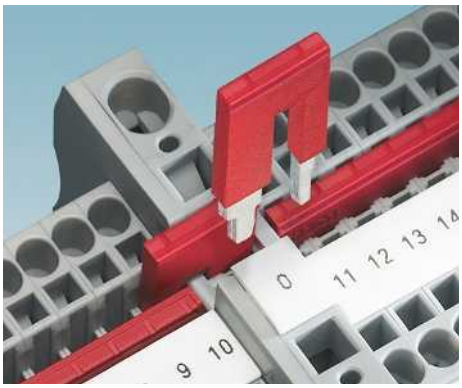
Maximum connection space

Thanks to their maximum connection space, miniature spring-cage terminal blocks offer a quick means of wiring solid and stranded conductors, even for conductors of the nominal cross section with assembled ferrule.

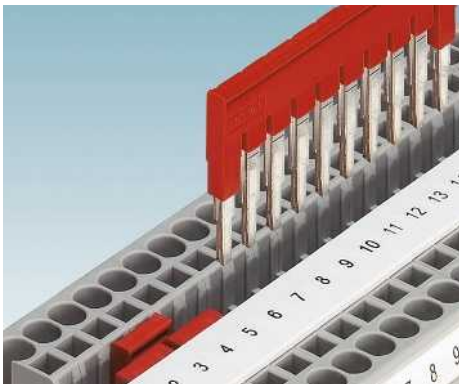


Large-surface marking

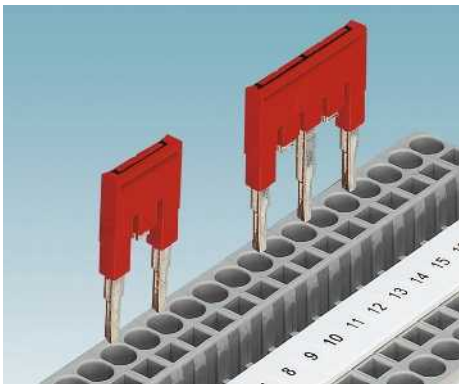
Large and clear marking of the terminal points is essential for reliable and quick installation. In addition to this, each terminal point can be marking separately.



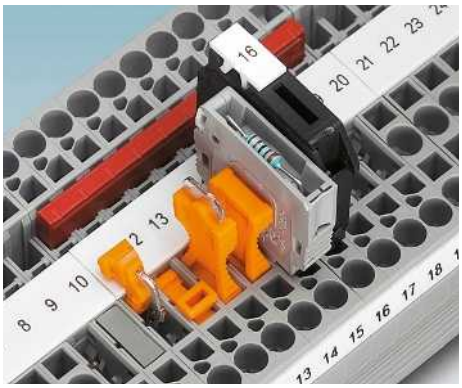
The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease. The reducing bridge can be used to quickly create power blocks, e.g., an ST 10 spring-cage terminal block with an ST 2,5 or ST 4.



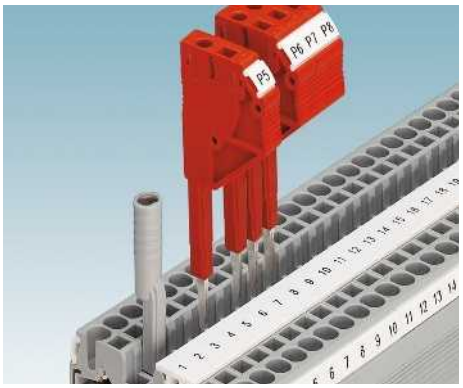
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



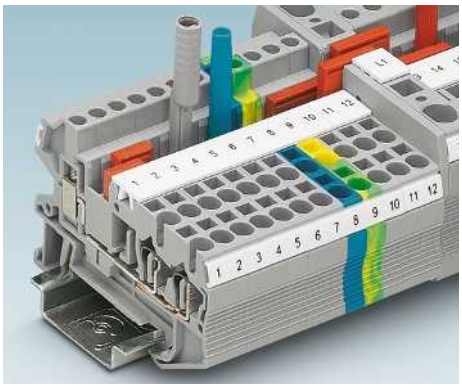
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



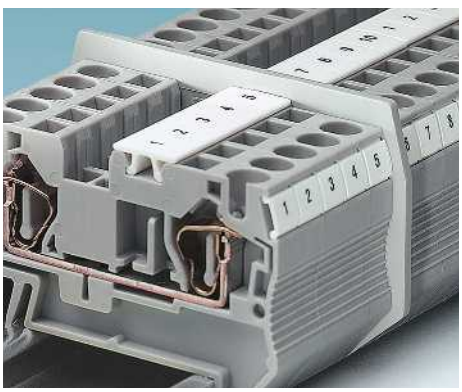
The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component connector, and P-FU cartridge fuse plug can be used in the universal plug-in zone of the disconnect terminal block.



A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



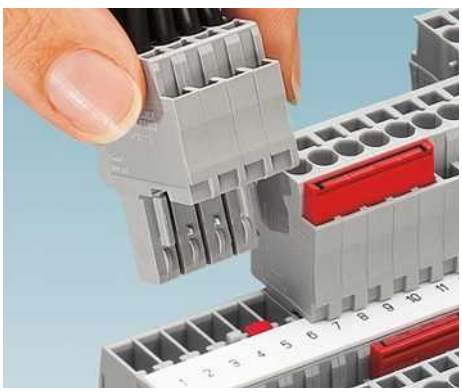
The hybrid versions combine the benefits of the spring-cage connection method with those of the universal screw connection.



The partition plates protrude beyond the terminal block contours. They provide visual as well as electrical group separation.

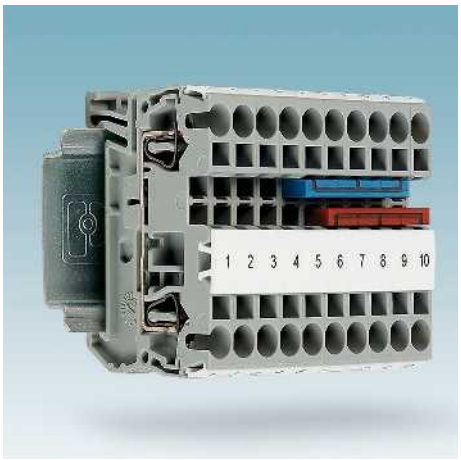


Cover segments are used to cover protruding terminal block segments of three- or four-conductor terminal blocks, when adding two-conductor terminal blocks. Fingers are thereby protected from contact.



ST-COMBI terminal blocks are available for creating plug-in signal and power wiring. The system is touch proof and offers plugs for self-assembly with extensive accessories. See “COMBI” section, page 225.

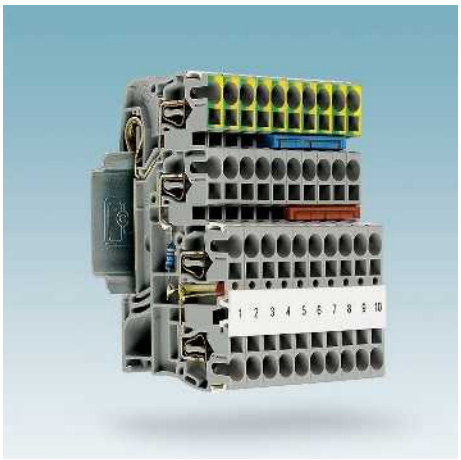
ST... feed-through, multi-conductor, and multi-level terminal blocks



- Convenient operation thanks to front connection
- Space saving thanks to the compact design
- Optimum overview thanks to large marking areas

Your web code: #0061

STIO... three-conductor initiator/actuator terminal block



- A wide range of products thanks to versions with PE function or LED display
- Optimum overview of signal connections thanks to a variety of marking options
- Modular expansion up to a maximum of 50 positions, as power terminals are the same shape
- Energy supplied or enhanced by power terminals
- Potential supply via the STIO-IN power terminals

Your web code: #0062

ST... disconnect and knife disconnect terminal blocks



- Convenient separation of circuits using lever-type disconnect knife, isolating plug or rotary contact
- User-friendly current measurement thanks to testing facility either side of the disconnect point
- Safe operation as the disconnect lever is locked in the end positions
- Individual assembly with disconnect element, fuse plug, component connector, and feed-through connector

Your web code: #0063

STI... installation terminal blocks



- Space saving thanks to the low-profile design
- Complete flexibility – all installation terminal blocks with different connection technologies can be combined
- Dielectric test without disconnecting the neutral conductor – thanks to the disconnect slide
- Protection against unintentional actuation since the disconnect slide can be snapped into the limit positions

Your web code: #0066

MSB... miniature terminal blocks



- Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- Horizontal connection for particularly flat inserts
- Vertical connection in confined spaces
- Clear, as all terminal points are marked

Your web code: #0067

STME... test disconnect terminal blocks



- Easy and safe operation thanks to clear indication of switching states
- Maximum functionality – up to six universal function shafts for potential distribution or for test purposes
- Modular expansion thanks to feed-through terminal blocks and ground terminals of the same shape
- Modular design of transformer circuits thanks to plug-in test disconnect terminal blocks

Your web code: #0064

STU... hybrid terminal blocks



- Meet requirements for internal and external wiring at the same time as different connection methods are integrated in a single terminal block
- Free choice of connection technology thanks to two combination options
- Space saving thanks to the compact design
- Uniform distances from cable ducts
- Feed-through terminal blocks and ground terminals of the same shape

Your web code: #0065

STS... desk-design terminal blocks



- Angled design enables minimized bending radii for better conductor routing
- Designed for use on wiring frames instead of typical channel wiring
- Two-, three-, and four-conductor terminal blocks with the same contour
- Universal disconnect zone for also accommodating isolating plugs, feed-through connectors, component connectors, and fuse plugs

Your web code: #0061

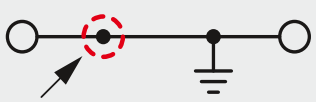
1.5 mm² ST... spring-cage connection terminal blocks

General technical data for 1.5 mm² ST... spring-cage connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	1.5			
Cross section range	AWG	28 - 16			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

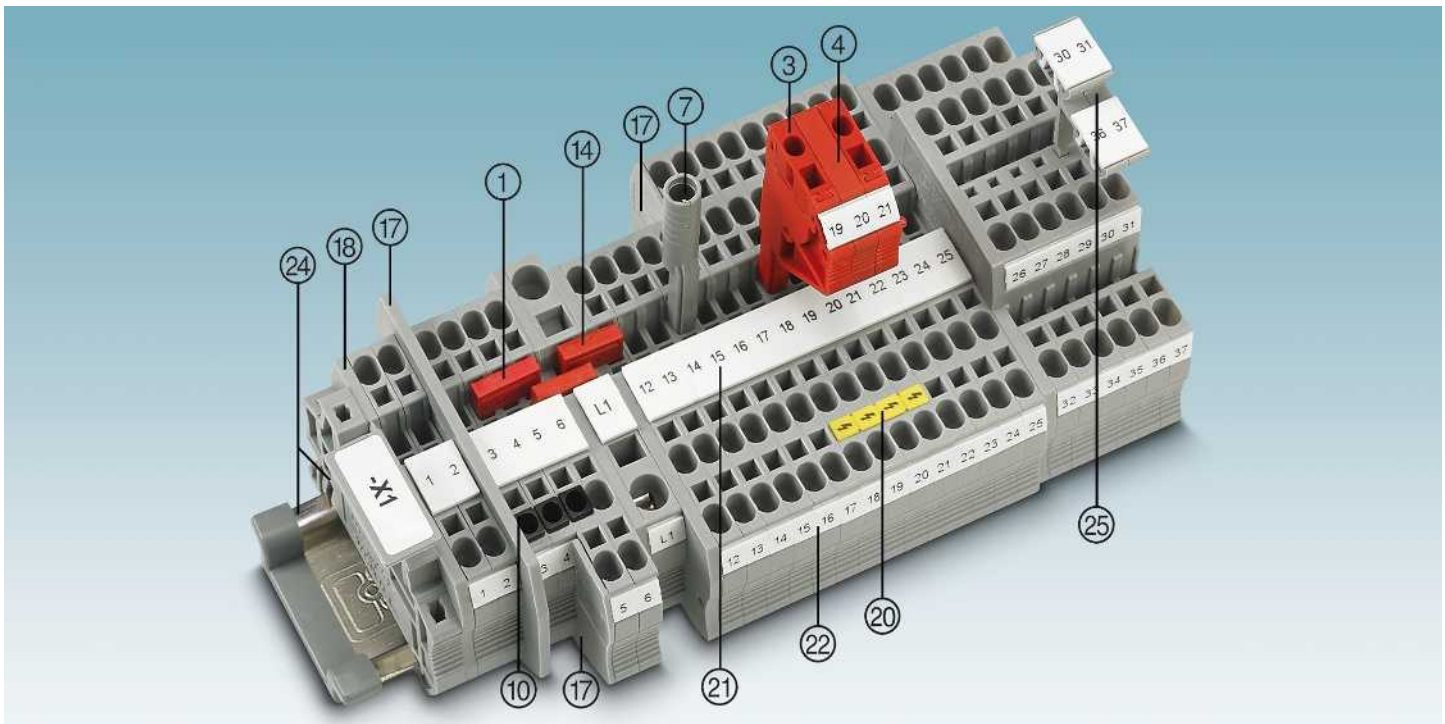


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 1.5 mm² ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-4**	**3030116**	50			
	3	red	**FBS 3-4**	**3030129**	50			
	4	red	**FBS 4-4**	**3030132**	50			
	5	red	**FBS 5-4**	**3030145**	50			
	10	red	**FBS 10-4**	**3030158**	10			
	20	red	**FBS 20-4**	**3030352**	10			
③ **Modular test plug**		red	**PS-4**	**3030970**	10			
④ **Spacer plate**		red	**DP PS-4**	**3036712**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑩ **Insulating sleeve**		white	**ISH 1,5/0,2**	**3206131**	50			
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**	**3031034**	50			
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10			

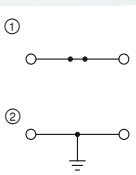
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉑ **Center groove marking**	**UC-TM 4, UCT-TM 4 or ZB 4. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 4, UCT-TMF 4 or ZBF 4. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉕ **Marker carrier**	**For STP ..., see page 352.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 166.

For information on installation and using accessories for Ex applications, see page 602.





17.5 A, feed-through terminal block

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data[1])

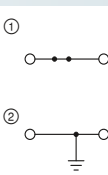
Dimensions				
	[mm]	Width	Length	Height
		4.2	48.5	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	500	0.08 - 1.5 / 26-14
Max. bridge current	[A]	17.5		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	300 / 440
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / - / 17.5 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 1,5**	①	**3031076**	50
	blue	**ST 1,5 BU**	①	**3031089**	50
Ground terminal	green-yellow	**ST 1,5-PE**	②	**3031513**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5**	**3030417**	50





17.5 A, feed-through terminal block, 3 connections

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data[1])

		Width	Length	Height
		4.2	60.5	36.5 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	500	0.08 - 1.5 / 26-14
		17.5		
		IEC	UL / CUL	CSA / Ex
		500	300	300 / 440
		17.5 / 1.5	15 / -	15 / - / 17.5 / 1.5

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 1,5-TWIN	①	**3031128**	50
ST 1,5-TWIN BU	①	**3031131**	50
ST 1,5-TWIN-PE	②	**3031144**	50

Accessories[1])

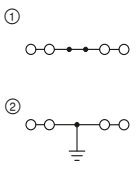
D-ST 2,5-TWIN	**3030488**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 166.

For information on installation and using accessories for Ex applications, see page 602.





17.5 A, feed-through terminal block, 4 connections

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data[1])

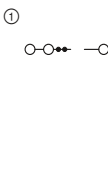
Dimensions				
	[mm]	Width	Length	Height
		4.2	72	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	500	0.08 - 1.5 / 26-14
Max. bridge current	[A]	17.5		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	300 / 440
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / - / 17.5 / 1.5

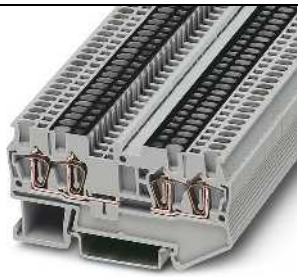
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 1,5-QUATTRO**	①	**3031186**	50
	gray				
	blue	**ST 1,5-QUATTRO BU**	①	**3031199**	50
Ground terminal	green-yellow	**ST 1,5-QUATTRO-PE**	②	**3031209**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO**	**3030514**	50





17.5 A, feed-through terminal block, 4 connections, with interrupted current bar

Technical data[1])

		Width	Length	Height
		4.2	72	36.5 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	500	0.08 - 1.5 / 26-14
		17.5		
		IEC	UL / CUL	CSA / Ex
		500	300	- / -
		17.5 / 1.5	15 / -	- / -

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 1,5-QUATTRO-U	①	**3038600**	50

Accessories[1])

D-ST 2,5-QUATTRO	**3030514**	50

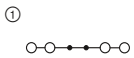
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

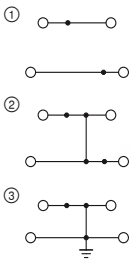
[1]) For additional accessories and technical data, see page 166.

ISH... insulating sleeves and PS ... and PAI ... test accessories cannot be used with the ST 1,5/S-QUATTRO.

For information on installation and using accessories for Ex applications, see page 602.









17.5 A, feed-through terminal block, 4 connections

cULus EAC

Technical data[1])			
Width	Length	Height	
3.5	**72**	**32 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	**500**	**0.08 - 1.5**	**28-16**
17.5			
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5 / 1.5	10 / -	10 / -	-
solid	stranded	Ferrule without/with plastic sleeve	
0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1
-	-	-	-
8			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 1,5/S-QUATTRO ①	**3213124**	50	

Description	No. of pos.	Color
Terminal block		gray
		blue
With potential distribution		gray
Ground terminal		green-yellow

Accessories[1])			
Cover, width 2.2 mm			gray
Jumper			
	2		red
	3		red
	4		red
	5		red
	10		red

Accessories[1])			
D-ST 1,5/S-QUATTRO		**3213166**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50

17.5 A, double-level terminal block

cULus EAC VDE KR Lloyd's Register ClassNK CB

Ex: Ex

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data[1])			
Width	Length	Height	
4.2	**67.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	**500**	**0.08 - 1.5**	**26-14**
15			
IEC	UL / CUL	CSA	Ex
500	300	300	440
17.5 / 1.5	15 / -	15 / -	17.5 / 1.5
solid	stranded	Ferrule without/with plastic sleeve	
0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
-	-	-	0.5
10			

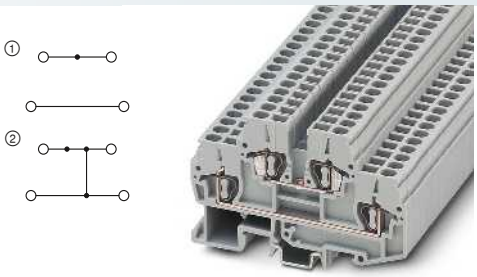
Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 1,5 ①	**3031157**	50	
STTB 1,5 BU ①	**3031160**	50	
STTB 1,5-PV ②	**3031526**	50	
STTB 1,5-PE ③	**3036013**	50	

Accessories[1])			
D-STTB 2,5	**3030459**	50	

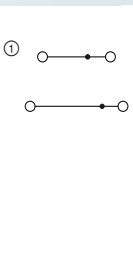
Double-level terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 166.



24 A, double-level terminal block





20 A, double-level terminal block, both levels can be bridged

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**67.5**	**42.5 (NS 35/7,5) / 42 (NS 15)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**500**	**0.14 - 2.5**	**26-14**
Max. bridge current [A]	20			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	17.5 / 1.5	15 / -	-	-
Cross section range AWG	26 - 14	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
General data				
Stripping length [mm]	9			

Ordering data				
Description	No. of pos.	Color	**Type**	**Order No.**	Pcs. / Pkt.
Terminal block		gray	**MZFKK 1,5** ①	**3029813**	50
		gray			
With potential distribution		gray	**MZFKK 1,5-PV** ②	**3029826**	50

Accessories[1])					
Cover, width 1 mm		gray	**D-MZFKK 1,5**	**3029839**	50
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**	**2770215**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar					
	2	silver	**FBRI 2-5 N** 20 A	**3000227**	10
	3	silver	**FBRI 3-5 N** 20 A	**3000201**	10
	10	silver	**FBRI 10-5 N** 20 A	**2770642**	10
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
Lateral groove marking			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**85**	**42.5 (NS 35/7,5) / 42 (NS 15)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**500**	**0.14 - 2.5**	**26-14**
Max. bridge current [A]	17.5			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	17.5 / 1.5	15 / -	-	-
Cross section range AWG	26 - 14	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
General data				
Stripping length [mm]	9			

Ordering data				
Type		**Order No.**	Pcs. / Pkt.
MZFKKB 1,5 ①		**3005714**	50

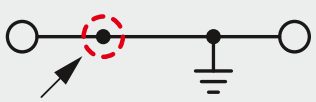
Accessories[1])				
D-MZFKKB 1,5		**3024630**	50
TS-KK 3		**2770215**	50
FBRI 2-5 N	20 A	**3000227**	10
FBRI 3-5 N	20 A	**3000201**	10
FBRI 10-5 N	20 A	**2770642**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)			

2.5 mm² ST... spring-cage connection terminal blocks

General technical data for 2.5 mm² ST... spring-cage connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	28 - 12			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

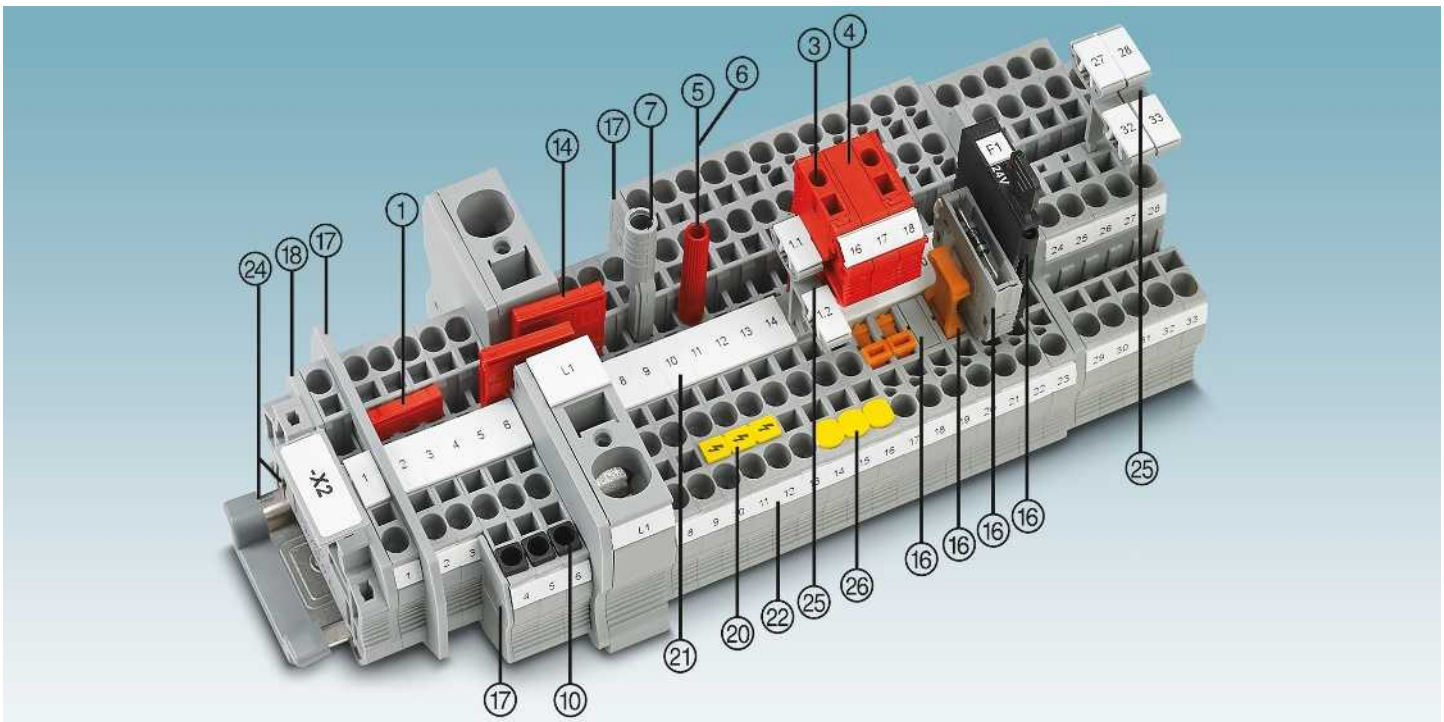


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 2.5 mm² ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-5**	**3030161**	50	**FBSR 2-5**	**3033702**	50
	3	red	**FBS 3-5**	**3030174**	50	**FBSR 3-5**	**3001591**	50
	4	red	**FBS 4-5**	**3030187**	50	**FBSR 4-5**	**3001592**	50
	5	red	**FBS 5-5**	**3030190**	50	**FBSR 5-5**	**3001593**	50
	10	red	**FBS 10-5**	**3030213**	10	**FBSR 10-5**	**3033710**	10
	20	red	**FBS 20-5**	**3030226**	10			
③ **Modular test plug**		red	**PS-5**	**3030983**	10			
④ **Spacer plate**		red	**DP PS-5**	**3036725**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑩ **Insulating sleeve**		white	**ISH 2,5/0,2**	**3002843**	50			
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	**3002856**	50			
0.75 - 1 mm²		black	**ISH 2,5/1,0**	**3002869**	50			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑯ **Fuse and function plugs for disconnect terminal blocks**	**For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉑ **Center groove marking**	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉕ **Marker carrier**	**For STP ..., see page 352.**
㉖ **Cover for conductor shaft**	**For CEC ..., see page 348.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.



31 A, feed-through terminal block

Ex:

KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	48.5	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		31	800	0.08 - 4 / 28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 21 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5**	①	**3031212**	50
	blue	**ST 2,5 BU**	①	**3031225**	50
Ground terminal	green-yellow	**ST 2,5-PE**	②	**3031238**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5**	**3030417**	50



28 A, feed-through terminal block, 3 connections

Ex:

KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	60.5	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	800	0.08 - 4 / 28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 21.5 / 2.5

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 2,5-TWIN	①	**3031241**	50
ST 2,5-TWIN BU	①	**3031254**	50
ST 2,5-TWIN-PE	②	**3031267**	50

Accessories[1])

D-ST 2,5-TWIN	**3030488**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.



28 A, feed-through terminal block, 4 connections

Ex:

KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	72	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	800	0.08 - 4 / 28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 22 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-QUATTRO**	①	**3031306**	50
with interrupted current bar	gray				
	blue	**ST 2,5-QUATTRO BU**	①	**3031319**	50
Ground terminal	green-yellow	**ST 2,5-QUATTRO-PE**	②	**3031322**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO**	**3030514**	50



28 A, feed-through terminal block, 4 connections, with interrupted current bar

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	72	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	800	0.08 - 4 / 28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / - / -

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-U	①	**3031636**	50

Accessories[1])

D-ST 2,5-QUATTRO	**3030514**	50

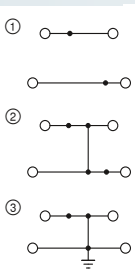
2.5 mm² ST... spring-cage connection terminal blocks

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.





26 A, double-level terminal block

Ex: KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data[1])

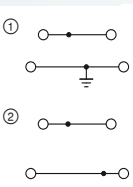
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**67.5**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**500**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	440
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / -	19.5 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STTB 2,5**	①	**3031270**	50
	blue	**STTB 2,5 BU**	①	**3031283**	50
With potential distribution	gray	**STTB 2,5-PV**	②	**3031539**	50
	blue	**STTB 2,5-PV BU**	②	**3035108**	50
Ground terminal	green-yellow	**STTB 2,5-PE**	③	**3036026**	50
Terminal block	gray-yellow-green				
	gray				
	gray				

Accessories[1])

Cover, width 2.2 mm	gray	**D-STTB 2,5**	**3030459**	50





32 A, double-level ground terminal

Technical data[1])

Width	Length	Height	
5.2	**67.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.08 - 4**	**28-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	-
22 / 2.5	20 / -	20 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
STTB 2,5-PE/L	①	**3036314**	50
STTB 2,5-PE/N	①	**3036327**	50
STTB 2,5-L/N	②	**3036330**	50

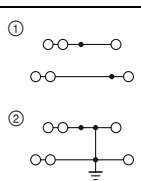
Accessories[1])

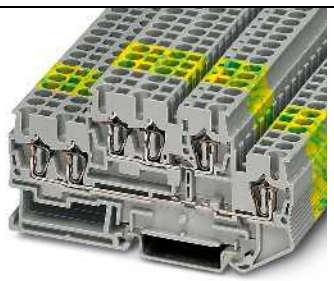
Type		Order No.	Pcs. / Pkt.
D-STTB 2,5		**3030459**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 170.





26 A, feed-through terminal block, 3 connections per level

Technical data[1])

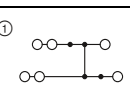
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**91.5**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**500**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / -	-

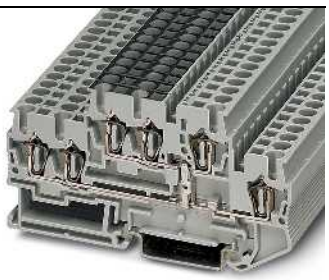
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STTB 2,5-TWIN**	①	**3038516**	50
	blue	**STTB 2,5-TWIN BU**	①	**3038529**	50
	gray				
Ground terminal	green-yellow	**STTB 2,5-TWIN-PE**	②	**3038532**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STTB 2,5-TWIN**	**3038558**	50





26 A, feed-through terminal block, with equipotential bonding

Technical data[1])

Width	Length	Height	
5.2	**91.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**500**	**0.08 - 4**	**28-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
22 / 2.5	20 / -	20 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
STTB 2,5-TWIN-PV	①	**3038545**	50

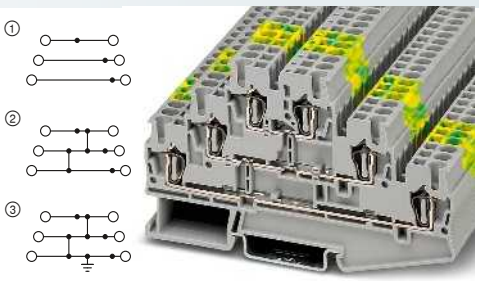
Accessories[1])

Type	Order No.	Pcs. / Pkt.
D-STTB 2,5-TWIN	**3038558**	50

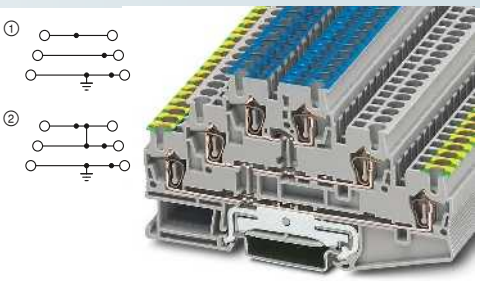
Multi-level terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.



28 A, three-level terminal block



28 A, three-level terminal block with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**99.5**	**58 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	**500**	**0.08 - 4** / **28-12**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	300 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / - / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**99.5**	**58 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	**500**	**0.08 - 4** / **28-12**
Max. bridge current	[A]	22 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-3L**	①	**3036042**	50
	blue	**ST 2,5-3L BU**	①	**3038710**	50
With potential distribution	gray	**ST 2,5-3PV**	②	**3036068**	50
Ground terminal	green-yellow	**ST 2,5-3PE**	③	**3036071**	50
Terminal block	gray				
	gray				
With potential distribution	gray				

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 2,5-PE/L/N	①	**3036084**	50
ST 2,5-PE/L/L	①	**3036097**	50
ST 2,5-PE/2PV	②	**3038833**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-3L**	**3036660**	50

Accessories[1])

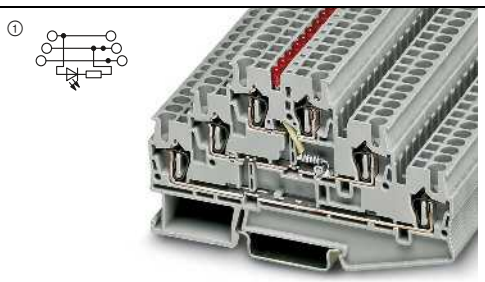
D-ST 2,5-3L	**3036660**	50

Multi-level terminal blocks

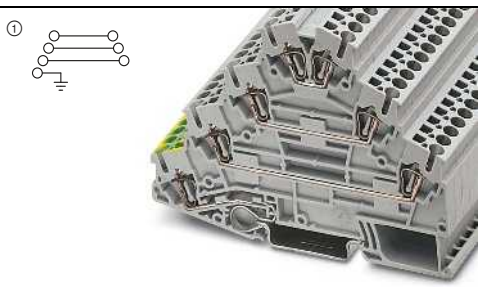
Notes:

[1]) For additional accessories and technical data, see page 170.

[2]) The operating voltage is determined by the LED version.



28 A, three-level terminal block with LED display



26 A, four-level terminal block with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**99.5**	**58 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	**500[2])**	**0.08 - 4** / **-**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[2])	-	- / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	- / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**98.5**	**73.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		26	**800**	**0.08 - 4** / **28-12**
		-		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, with LED for 12 – 30 V DC, 0.7 – 2.4 mA	gray	**ST 2,5-3L-LA 24RD/O-M**	①	**3035580**	50
Terminal block	gray				

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 2,5-PE/3L	①	**3036055**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-3L**	**3036660**	50

Accessories[1])

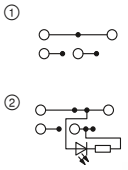
D-ST 2,5-PE/3L	**3036673**	50

2.5 mm² ST... spring-cage connection terminal blocks

Initiator/actuator terminal blocks

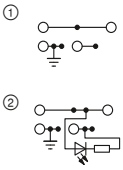
Notes:

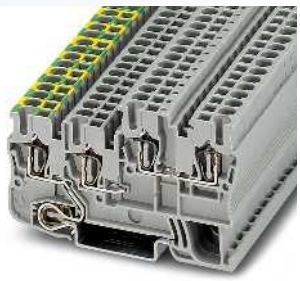
[1]) For additional accessories and technical data, see page 170.





18 A, three-conductor initiator terminal block





18 A, three-conductor actuator terminal block with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**75**	**44.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		18	**250**	**0.08 - 4 / 28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	250	300	- / -
Nominal current / cross section	[A] / [mm²]	18 / 2.5	18 / -	- / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**75**	**44.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		18	**250**	**0.08 - 4 / 28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	250	300	- / -
Nominal current / cross section	[A] / [mm²]	18 / 2.5	18 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STIO 2,5/3-2B/L**	①	**3209015**	50
Red LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/3-2B/L-LA24RD/O-M**	②	**3209028**	50
Green LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/3-2B/L-LA24GN/O-M**	②	**3209031**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
STIO 2,5/3-PE/B/L	①	**3209044**	50
STIO 2,5/3-PE/B/L-LA24RD/O-M	②	**3209138**	50
STIO 2,5/3-PE/B/L-LA24GN/O-M	②	**3209141**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STIO 2,5/3**	**3209112**	50

Accessories[1])

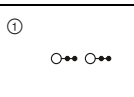
D-STIO 2,5/3	**3209112**	50

Power terminals

Notes:

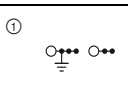
[1]) For additional accessories and technical data, see page 170.

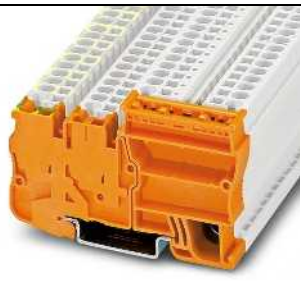
[2]) In the case of central power feed.





30 A, power terminal





30 A, power terminal with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		10.4	**75**	**44.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[2])	**250**	**0.08 - 4 / 28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	250	300	- / -
Nominal current / cross section	[A] / [mm²]	18 / 2.5	20 / -	- / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		10.4	**75**	**44.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[2])	**250**	**0.08 - 4 / 28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	250	300	- / -
Nominal current / cross section	[A] / [mm²]	18 / 2.5	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Power terminal	orange	**STIO-IN 2,5/3 OG**	①	**3209196**	25
	orange				

Ordering data

Type		Order No.	Pcs. / Pkt.
STIO-IN 2,5/3-PE OG	①	**3209086**	25

Accessories[1])

Cover, width 2.2 mm	gray	**D-STIO 2,5/3**	**3209112**	50

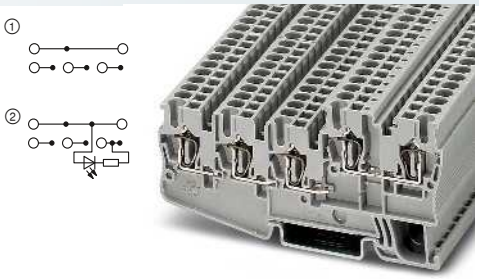
Accessories[1])

D-STIO 2,5/3	**3209112**	50

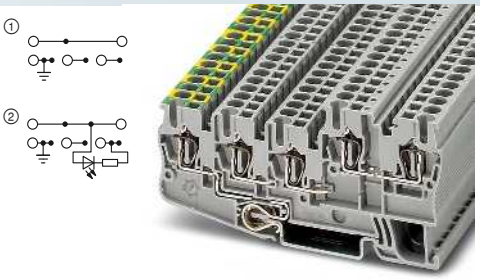
Initiator/actuator terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.



18 A, four-conductor initiator terminal block



18 A, four-conductor actuator terminal block with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**92.3**	**44.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		18	**250**	**0.08 - 4 / 28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	250	300	- / -
Nominal current / cross section	[A] / [mm²]	18 / 2.5	18 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STIO 2,5/4-3B/L**	①	**3209057**	50
Red LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/4-3B/L-LA24RD/O-M**	②	**3209154**	50
Green LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/4-3B/L-LA24GN/O-M**	②	**3209167**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STIO 2,5/4**	**3209125**	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**92.3**	**44.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		18	**250**	**0.08 - 4 / 28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	250	300	- / -
Nominal current / cross section	[A] / [mm²]	18 / 2.5	18 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STIO 2,5/4-PE/2B/L**	①	**3209060**	50
Red LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/4-PE/2B/L-LA24RD/O-M**	②	**3209170**	50
Green LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/4-PE/2B/L-LA24GN/O-M**	②	**3209183**	50

Accessories[1])

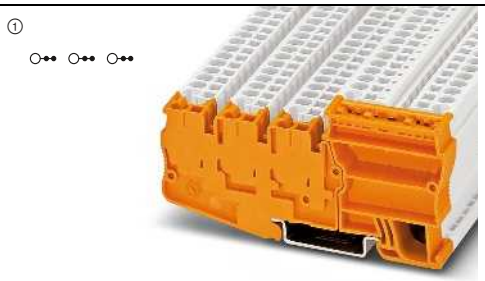
Cover, width 2.2 mm	gray	**D-STIO 2,5/4**	**3209125**	50

Power terminals

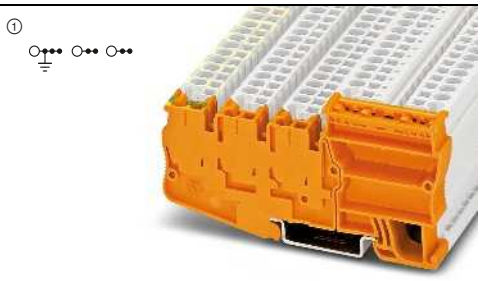
Notes:

[1]) For additional accessories and technical data, see page 170.

[2]) In the case of central power feed.



30 A, power terminal



30 A, power terminal with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		10.4	**92.3**	**44.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[2])	**250**	**0.08 - 4 / 28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	250	300	- / -
Nominal current / cross section	[A] / [mm²]	18 / 2.5	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Power terminal	orange	**STIO-IN 2,5/4 OG**	①	**3209206**	25
	orange				

Accessories[1])

Cover, width 2.2 mm	gray	**D-STIO 2,5/4**	**3209125**	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		10.4	**92.3**	**44.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[2])	**250**	**0.08 - 4 / 28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	250	300	- / -
Nominal current / cross section	[A] / [mm²]	18 / 2.5	20 / -	- / -

Ordering data

Type		Order No.	Pcs. / Pkt.
STIO-IN 2,5/4-PE OG	①	**3209109**	25

Accessories[1])

D-STIO 2,5/4	**3209125**	50

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

[2]) Current and voltage are determined by the plug used.

① 



20 A, disconnect terminal block

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**60.5**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20[2])	**400[2])**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5	16 / -	16 / -	-

Description	Color	Ordering data Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-TG**	①	**3038435**	50

		Accessories[1])			
Cover, width 2.2 mm	gray	**D-ST 2,5-TWIN**		**3030488**	50

① 



20 A, disconnect terminal block, 3 connections

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**72**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400[2])**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5	16 / -	16 / -	-

Description	Color	Ordering data Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-TWIN-TG**	①	**3038448**	50

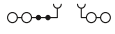
		Accessories[1])			
Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO**		**3030514**	50

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

[2]) Current and voltage are determined by the plug used.

① 



20 A, disconnect terminal block, 4 connections

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**84**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400[2])**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5	16 / -	16 / -	-

Description	Color	Ordering data Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-QUATTRO-TG**	①	**3038451**	50

		Accessories[1])			
Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO-MT**		**3038590**	50

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

① 



20 A, knife disconnect terminal block

① 



20 A, knife disconnect terminal block, 3 connections

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**5.2**	**60.5**	**36.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**400**	**0.08 - 4**	**28-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	600	300	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	16 / -	16 / -	-

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**5.2**	**72**	**36.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**400**	**0.08 - 4**	**28-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	600	300	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	16 / -	16 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-MT**	①	**3036343**	50
	blue	**ST 2,5-MT BU**	①	**3037818**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-TWIN**	**3030488**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 2,5-TWIN-MT	①	**3036356**	50
ST 2,5-TWIN-MT BU	①	**3037821**	50

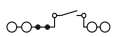
Accessories[1])

D-ST 2,5-QUATTRO		**3030514**	50

Disconnect and knife disconnect terminal blocks

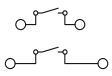
Notes:

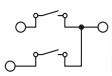
[1]) For additional accessories and technical data, see page 170.

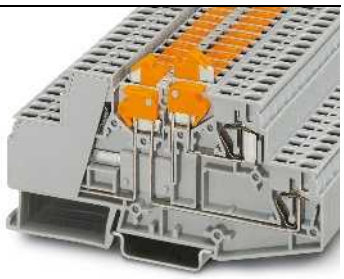
① 



20 A, knife disconnect terminal block, 4 connections

① 

② 



16 A, double-level terminal block with one disconnect knife per level

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**5.2**	**84**	**36.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**400**	**0.08 - 4**	**28-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	600	300	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	16 / -	16 / -	-
Cross section range AWG	28 - 12	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**6.2**	**107**	**55 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	16	**400**	**0.2 - 4**	**26-12**
Max. bridge current [A]	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	600	-
Nominal current / cross section [A] / [mm²]	16 / 1.5	10 / -	10 / -	-
Cross section range AWG	24 - 12	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 2.5	0.14 - 2.5	0.14 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-QUATTRO-MT**	①	**3036576**	50
	blue	**ST 2,5-QUATTRO-MT BU**	①	**3037834**	50
	gray				

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO-MT**	**3038590**	50

Ordering data

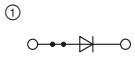
Type		Order No.	Pcs. / Pkt.
ZDMTK 2,5	①	**3005798**	50
ZDMTK 2,5 BU	①	**3006784**	50
ZDMTK 2,5-TWIN	②	**3005808**	50

Accessories[1])

Diode terminal blocks

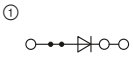
Notes:

[1]) For additional accessories and technical data, see page 170.





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), 3 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**48.5**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**800**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	1 / -	1 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**ST 2,5-DIO/L-R**	①	**3036262**	50
	gray	**ST 2,5-DIO/R-L**	②	**3036518**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5**	**3030417**	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**60.5**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**800**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	20 / -	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**ST 2,5-TWIN-DIO/L-R**	①	**3036246**	50
	gray	**ST 2,5-TWIN-DIO/R-L**	②	**3036521**	50

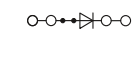
Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-TWIN**	**3030488**	50

Diode terminal blocks

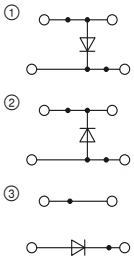
Notes:

[1]) For additional accessories and technical data, see page 170.





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), 4 connections





26 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**72**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**800**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	20 / -	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**ST 2,5-QUATTRO-DIO/L-R**	①	**3036233**	50
	gray	**ST 2,5-QUATTRO-DIO/R-L**	②	**3036534**	50
	gray				
	gray				
	gray				

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO**	**3030514**	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**67.5**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**500**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
		STTB 2,5-DIO/O-U	①	**3031555**	50
		STTB 2,5-DIO/U-O	②	**3031563**	50
		STTB 2,5-DIO/UL-UR	③	**3031571**	50

Accessories[1])

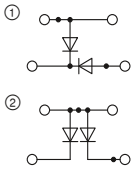
Cover, width 2.2 mm	gray	**D-STTB 2,5**	**3030459**	50

Diode terminal blocks

Notes:

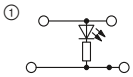
[1]) For additional accessories and technical data, see page 170.

[2]) The operating voltage is determined by the LED version.





26 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)





26 A, double-level terminal block with LED display

Technical data[1])							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**67.5**	**47.5 (NS 35/7,5)**		**5.2**	**67.5**	**47.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	26	**250**	**0.08 - 4**	**28-12**	**26**	**500[2])**	**0.08 - 4**	**28-12**
Max. bridge current [A]	20 (FBS) / 17.5 (FBSR)				20 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	250	600	300	-	500[2])	600	-	-
Nominal current / cross section [A] / [mm²]	22 / 2.5	20 / -	-	-	22 / 2.5	20 / -	-	-

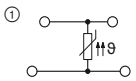
Ordering data							
Description	Color	Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**STTB 2,5-2DIO/O-UL/UR-UL**	①	**3031584**	50				
	gray	**STTB 2,5-2DIO/O-UL/O-UR**	②	**3031597**	50				
Terminal block, with LED for 12 – 30 V DC, 0.7 – 2.4 mA	gray					**STTB 2,5-LA 24 RD**	①	**3031607**	50
With light indicator for 30-60 V DC, 0.8-1.8 mA	gray					**STTB 2,5-LA 60 RD**	①	**3031610**	50
With light indicator for 110–230 V AC/DC, 0.1–0.5 mA	gray					**STTB 2,5-LA230**	①	**3031623**	50

Accessories[1])							
Cover, width 2.2 mm	gray	**D-STTB 2,5**		**3030459**	50	**D-STTB 2,5**		**3030459**	50

Double-level terminal block with temperature sensor

Notes:

[1]) For additional accessories and technical data, see page 170.





26 A, double-level terminal block with temperature sensor

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**7.4**	**67.5**	**47.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	26	**500**	**0.08 - 4**	**-**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	-	-	-
Nominal current / cross section [A] / [mm²]	22 / 2.5	-	-	-

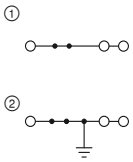
Ordering data					
Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, with integrated PT 100 temperature sensor and fitted cover	gray	**STTB 2,5-PT100 MD**	①	**3035564**	50

Hybrid terminal blocks with screw connection on one side, 2.5 (4) mm²

Notes:

[1]) For additional accessories and technical data, see page 170.

[2]) For screw connection rated data, visit phoenixcontact.net/products





28 A, feed-through terminal block, 3 connections

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**65.3**	**42.8 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	28	**800**	**0.08 - 4**	**28-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data[2])	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	**STU 2,5-TWIN** ①	**3033016**	50
	blue	**STU 2,5-TWIN BU** ①	**3033029**	50
Ground terminal	green-yellow	**STU 2,5-TWIN-PE** ②	**3033032**	50

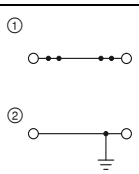
Accessories[1])			
Cover, width 2.2 mm	gray	**D-STU 2,5-TWIN**	**3033045**	50

Desk-design terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.





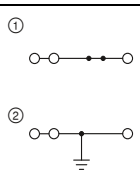
31 A, feed-through terminal block

Ex:
PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**50.8**	**43 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	31	**800**	**0.08 - 4**	**28-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	20.5 / 2.5

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	**STS 2,5** ①	**3036398**	50
	blue	**STS 2,5 BU** ①	**3036408**	50
Ground terminal	green-yellow	**STS 2,5-PE** ②	**3036411**	50

Accessories[1])			
Cover, width 2.2 mm	gray	**D-STS 2,5**	**3031762**	50





28 A, feed-through terminal block, 3 connections

Ex:
PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])			
Width	Length	Height	
5.2	**51**	**43 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
28	**800**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	600	550
24 / 2.5	20 / -	20 / -	21 / 2.5

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STS 2,5-TWIN ①	**3031720**	50	
STS 2,5-TWIN BU ①	**3036275**	50	
STS 2,5-TWIN-PE ②	**3031733**	50	

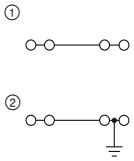
Accessories[1])		
D-STS 2,5	**3031762**	50

Desk-design terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.





28 A, feed-through terminal block, 4 connections

Ex:

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

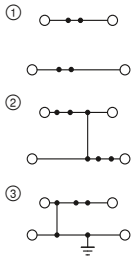
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**51**	**43 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	**800**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	20.5 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STS 2,5-QUATTRO**	①	**3031746**	50
	blue	**STS 2,5-QUATTRO BU**	①	**3036288**	50
With potential distribution	gray				
	blue				
Ground terminal	green-yellow	**STS 2,5-QUATTRO-PE**	②	**3031759**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STS 2,5**	**3031762**	50





26 A, double-level terminal block

Ex:

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

Width	Length	Height		
5.2	**78**	**55 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
26	**500**	**0.08 - 4**	**28-12**	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	440	
22 / 2.5	20 / -	20 / -	19.5 / 2.5	

Ordering data

Type		Order No.	Pcs. / Pkt.
STTBS 2,5	①	**3038464**	50
STTBS 2,5 BU	①	**3038493**	50
STTBS 2,5-PV	②	**3038477**	50
STTBS 2,5-PV BU	②	**3035289**	50
STTBS 2,5-PE	③	**3038480**	50

Accessories[1])

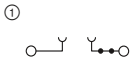
D-STTBS 2,5	**3038503**	50

Desk-design disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

[2]) Current and voltage are determined by the plug used.





20 A, disconnect terminal block

Technical data[1])

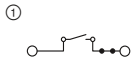
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**50.8**	**43 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20[2])	**400[2])**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5	16 / -	16 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STS 2,5-TG**	①	**3037009**	50
	blue				

Accessories[1])

Cover, width 2.2 mm	gray	**D-STS 2,5**	**3031762**	50





20 A, knife disconnect terminal block

Technical data[1])

Width	Length	Height		
5.2	**50.8**	**43 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
20	**400**	**0.08 - 4**	**28-12**	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
20 / 2.5	16 / -	16 / -	-	

Ordering data

Type		Order No.	Pcs. / Pkt.
STS 2,5-MT	①	**3036990**	50
STS 2,5-MT BU	①	**3035425**	50

Accessories[1])

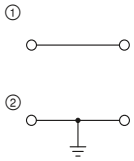
D-STS 2,5	**3031762**	50

Feed-through and multi-conductor terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.





30 A, feed-through terminal block

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

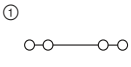
Dimensions				
	Width [mm]	Length	Height	
	5.2	32	30 (NS 15)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	800	0.08 - 4	28-12
Max. bridge current	[A] -			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V] 800	600	600	690
Nominal current / cross section	[A] / [mm²] 24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length	[mm] 8			

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
Terminal block		gray	**MSB 2,5**	①	3244012	50
		blue	**MSB 2,5 BU**	①	3244025	50
Ground terminal		green-yellow	**MSB 2,5-PE**	②	3244151	50

Accessories[1])

Cover, width 4 mm		gray	**D-MZB 1,5**	3024177	50
Insertion bridge, fully insulated	2	gray			





30 A, feed-through terminal block, 4 connections

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width [mm]	Length	Height	
	10.4	32	30 (NS 15)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	800	0.08 - 4	28-12
Max. bridge current	[A] 24			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V] 800	600	600	690
Nominal current / cross section	[A] / [mm²] 24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length	[mm] 8			

Ordering data

Type		Order No.	Pcs. / Pkt.
MSDB 2,5	①	3244216	50
MSDB 2,5 BU	①	3244229	50

Accessories[1])

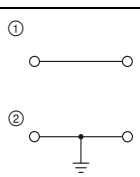
D-MZB 1,5		3024177	50
ESB 2-MZDB	24 A	3029703	10

Feed-through and multi-conductor terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.





30 A, feed-through terminal block

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

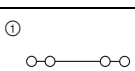
Dimensions				
	Width [mm]	Length	Height	
	5.2	42.7	32 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	800	0.08 - 4	28-12
Max. bridge current	[A] -			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V] 800	600	600	690
Nominal current / cross section	[A] / [mm²] 24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length	[mm] 8			

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
Terminal block		gray	**MSB 2,5-NS 35**	①	3244119	50
		blue	**MSB 2,5-NS 35 BU**	①	3244122	50
Ground terminal		green-yellow	**MSB 2,5-NS 35-PE**	②	3244148	50

Accessories[1])

Cover, width 4 mm		gray	**D-MZB 1,5**	3024177	50
Insertion bridge, fully insulated	2	gray			





30 A, feed-through terminal block, 4 connections

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width [mm]	Length	Height	
	10.4	42.7	32 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	800	0.08 - 4	28-12
Max. bridge current	[A] 24			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V] 800	600	600	690
Nominal current / cross section	[A] / [mm²] 24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length	[mm] 8			

Ordering data

Type		Order No.	Pcs. / Pkt.
MSDB 2,5-NS 35	①	3244300	50
MSDB 2,5-NS 35 BU	①	3244313	50

Accessories[1])

D-MZB 1,5		3024177	50
ESB 2-MZDB	24 A	3029703	10

Feed-through and multi-conductor terminal blocks

Notes:

1) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.



30 A, feed-through terminal block, for grouping

Ex:

PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data1)

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**32**	**22**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**800**	**0.08 - 4**	**28-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data					
Stripping length	[mm]	8			

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**MSB 2,5-M**	①	**3244067**	50
	blue	**MSB 2,5-M BU**	①	**3244070**	50

Accessories1)

Cover, width 4 mm gray	**D-MZB 1,5**	**3024177**	50



30 A, flange terminal block, for grouping

Ex:

PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data1)

Width	Length	Height		
5.2	**32**	**22**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30	**800**	**0.08 - 4**	**28-12**	
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
24 / 2.5	20 / -	20 / -	22 / 2.5	
8				

Ordering data

Type		Order No.	Pcs. / Pkt.
MSB 2,5-F	①	**3244041**	50
MSB 2,5-F BU	①	**3244054**	50

Accessories1)

D-MZB 1,5-F	**3024180**	50

Feed-through and multi-conductor terminal blocks

Notes:

1) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.



30 A, feed-through terminal block, for grouping, 4 connections

Ex:

PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data1)

Dimensions		Width	Length	Height	
	[mm]	**10.4**	**32**	**22**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**800**	**0.08 - 4**	**28-12**
Max. bridge current	[A]	24			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data					
Stripping length	[mm]	8			

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
Terminal block		gray	**MSDB 2,5-M**	①	**3244258**	50
		blue	**MSDB 2,5-M BU**	①	**3244261**	50

Accessories1)

Cover, width 4 mm		gray	**D-MZB 1,5**	**3024177**	50
Insertion bridge, fully insulated					
	2	gray	**ESB 2-MZDB** 24 A	**3029703**	10



30 A, flange terminal block, 4 connections, for grouping

Ex:

PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data1)

Width	Length	Height		
10.4	**32**	**22**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30	**800**	**0.08 - 4**	**28-12**	
24				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
24 / 2.5	20 / -	20 / -	22 / 2.5	
8				

Ordering data

Type		Order No.	Pcs. / Pkt.
MSDB 2,5-F	①	**3244232**	50
MSDB 2,5-F BU	①	**3244245**	50

Accessories1)

D-MZB 1,5-F	**3024180**	50
ESB 2-MZDB 24 A	**3029703**	10

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.

① ○———○



30 A, feed-through terminal block, with securing pin

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**5.2**	**32**	**22**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Max. bridge current [A]	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for direct mounting		gray	**MSB 2,5-RZ**	①	**3244164**	50
		blue	**MSB 2,5-RZ BU**	①	**3244177**	50

Accessories[1])

Cover, width 4 mm		gray	**D-MZB 1,5**	**3024177**	50
Insertion bridge, fully insulated					
	2	gray			

① ○———○



30 A, feed-through terminal block, 4 connections, with securing pin

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**10.4**	**32**	**22**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Max. bridge current [A]	24			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data

Type		Order No.	Pcs. / Pkt.
MSDB 2,5-RZ	①	**3244339**	50
MSDB 2,5-RZ BU	①	**3244342**	50

Accessories[1])

D-MZB 1,5	**3024177**	50	
ESB 2-MZDB 24 A	**3029703**	10	

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

① ○———○



30 A, feed-through terminal block, lateral conductor entry

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**5.2**	**32**	**30 (NS 15)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Max. bridge current [A]	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-
General data				
Stripping length [mm]	8			

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
Terminal block		gray	**MSBV 2,5**	①	**3249017**	50
		blue	**MSBV 2,5 BU**	①	**3249020**	50

Accessories[1])

Cover, width 4 mm		gray	**D-MSBV 2,5**	**3251018**	50
Insertion bridge, fully insulated					
	2	gray			

① ○———○



30 A, feed-through terminal block, lateral conductor entry, 4 connections

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**10.4**	**32**	**30 (NS 15)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Max. bridge current [A]	24			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-
General data				
Stripping length [mm]	8			

Ordering data

Type		Order No.	Pcs. / Pkt.
MSDBV 2,5	①	**3249143**	50
MSDBV 2,5 BU	①	**3249156**	50

Accessories[1])

D-MSBV 2,5	**3251018**	50	
ESB 2-MZDB 24 A	**3029703**	10	

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

① ○———○



30 A, feed-through terminal block, lateral conductor entry

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**42.7**	**32 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Max. bridge current [A]	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-
General data				
Stripping length [mm]	8			

Ordering data			
Type	**Order No.**	Pcs. / Pkt.	
MSBV 2,5-NS 35 ①	**3249088**	50	
MSBV 2,5-NS 35 BU ①	**3249091**	50	

Accessories[1])			
D-MSBV 2,5	**3251018**	50	

Description	No. of pos.	Color
Terminal block		gray
		blue
Cover, width 4 mm		gray
Insertion bridge, fully insulated	2	gray

① ○—○—○



30 A, feed-through terminal block, lateral conductor entry, 4 connections

Technical data[1])				
Width	Length	Height		
10.4	**42.7**	**32 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30	**800**	**0.08 - 4**	**28-12**	
24				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
24 / 2.5	20 / -	20 / -	-	
8				

Ordering data			
Type	**Order No.**	Pcs. / Pkt.	
MSDBV 2,5-NS 35 ①	**3249211**	50	
MSDBV 2,5-NS 35 BU ①	**3249224**	50	

Accessories[1])			
D-MSBV 2,5	**3251018**	50	
ESB 2-MZDB	24 A	**3029703**	10

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 170.

① ○———○



30 A, feed-through terminal block, for grouping

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**32**	**22**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Max. bridge current [A]	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-
General data				
Stripping length [mm]	8			

Ordering data			
Type	**Order No.**	Pcs. / Pkt.	
MSBV 2,5-M ①	**3249062**	50	
MSBV 2,5-M BU ①	**3249075**	50	

Accessories[1])			
D-MSBV 2,5	**3251018**	50	

Description	No. of pos.	Color
Terminal block		gray
		blue
Cover, width 4 mm		gray
Insertion bridge, fully insulated	2	gray

① ○—○—○



30 A, feed-through terminal block, for grouping, 4 connections

Technical data[1])				
Width	Length	Height		
10.4	**32**	**22**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30	**800**	**0.08 - 4**	**28-12**	
24				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
24 / 2.5	20 / -	20 / -	-	
8				

Ordering data			
Type	**Order No.**	Pcs. / Pkt.	
MSDBV 2,5-M ①	**3249198**	50	
MSDBV 2,5-M BU ①	**3249208**	50	

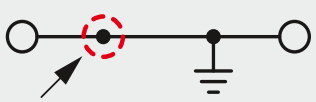
Accessories[1])			
D-MSBV 2,5	**3251018**	50	
ESB 2-MZDB	24 A	**3029703**	10

4 mm² ST... spring-cage connection terminal blocks

General technical data for 4 mm² ST... spring-cage connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	4			
Cross section range	AWG	28 - 10			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

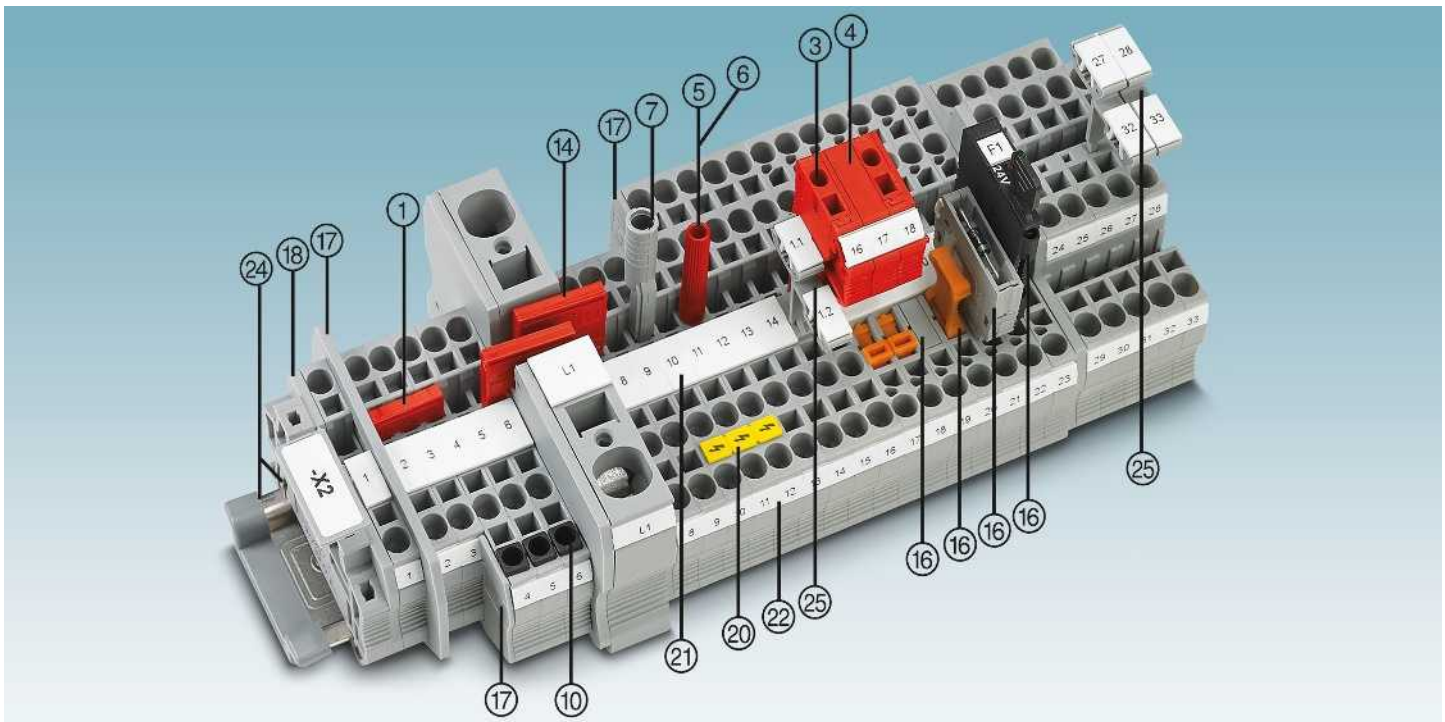


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 4 mm² ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-6**	**3030336**	50	**FBSR 2-6**	**3033715**	50
	3	red	**FBS 3-6**	**3030242**	50	**FBSR 3-6**	**3001594**	50
	4	red	**FBS 4-6**	**3030255**	50	**FBSR 4-6**	**3001595**	50
	5	red	**FBS 5-6**	**3030349**	50	**FBSR 5-6**	**3001596**	50
	10	red	**FBS 10-6**	**3030271**	10	**FBSR 10-6**	**3033716**	10
	20	red	**FBS 20-6**	**3030365**	10			
③ **Modular test plug**		red	**PS-6**	**3030996**	10			
④ **Spacer plate**		red	**DP PS-6**	**3036738**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑩ **Insulating sleeve,** 0.25 - 0.5 mm²		gray	**ISH 4/0,5**	**3002885**	50			
0.75 - 1 mm²		black	**ISH 4/1,0**	**3002898**	50			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

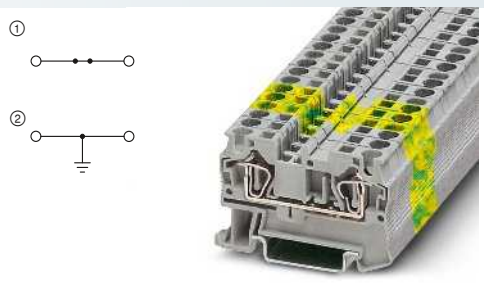
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑯ **Fuse and function plugs for disconnect terminal blocks**	**For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉑ **Center groove marking**	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉕ **Marker carrier**	**For STP ..., see page 352.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 186.

For information on installation and using accessories for Ex applications, see page 602.



40 A, feed-through terminal block

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

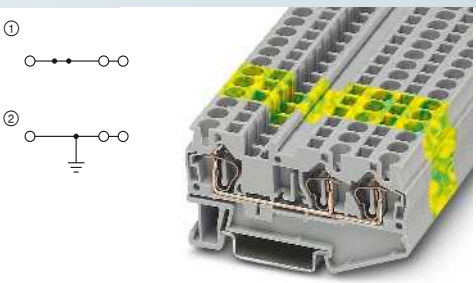
Dimensions				
	[mm]	Width	Length	Height
		6.2	56	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		40	800	0.08 - 6 / 28-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 30 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 4**	①	**3031364**	50
	blue	**ST 4 BU**	①	**3031377**	50
Ground terminal	green-yellow	**ST 4-PE**	②	**3031380**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 4**	**3030420**	50



40 A, feed-through terminal block, 3 connections

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	71.5	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		40	800	0.08 - 6 / 28-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 30 / 4

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 4-TWIN	①	**3031393**	50
ST 4-TWIN BU	①	**3031403**	50
ST 4-TWIN-PE	②	**3031416**	50

Accessories[1])

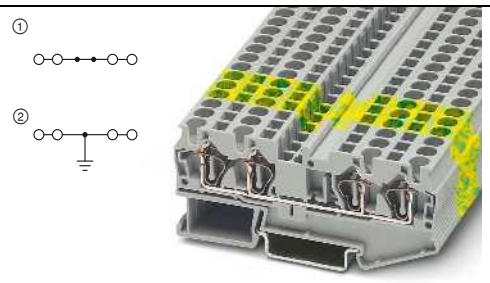
D-ST 4-TWIN	**3030491**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 186.

For information on installation and using accessories for Ex applications, see page 602.



40 A, feed-through terminal block, 4 connections

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	87	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		40	800	0.08 - 6 / 28-10
Max. bridge current	[A]	32 (FBS)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 28.5 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 4-QUATTRO**	①	**3031445**	50
	blue	**ST 4-QUATTRO BU**	①	**3031458**	50
	gray				
Ground terminal	green-yellow	**ST 4-QUATTRO-PE**	②	**3031461**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 4-QUATTRO**	**3030527**	50



37 A, feed-through terminal block, 4 connections, with interrupted current bar

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	87	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		37	800	0.08 - 6 / 28-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	28 / 4	30 / -	- / -

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 4-QUATTRO-U	①	**3038639**	50

Accessories[1])

D-ST 4-QUATTRO	**3030527**	50

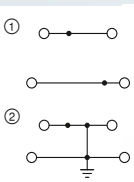
4 mm² ST... spring-cage connection terminal blocks

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 186.

For information on installation and using accessories for Ex applications, see page 602.





32 A, double-level terminal block

Ex:

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

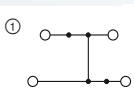
Dimensions				
	[mm]	Width	Length	Height
		6.2	**83.5**	**47.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**500**	**0.08 - 6 / 28-10**
Max. bridge current	[A]	26 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	300 / 440
Nominal current / cross section	[A] / [mm²]	30 / 4	30 / -	30 / - / 26.5 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STTB 4**	①	**3031429**	50
	blue	**STTB 4 BU**	①	**3031432**	50
	gray				
Ground terminal	green-yellow	**STTB 4-PE**	②	**3036039**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STTB 4**	**3030462**	50





32 A, double-level terminal block, with equipotential bonding

Ex:

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

		Width	Length	Height
		6.2	**83.5**	**47.5 (NS 35/7,5)**
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**500**	**0.08 - 6 / 28-10**
		22 (FBS) / 22 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		500	600	300 / 440
		30 / 4	30 / -	30 / - / 26.5 / 4

Ordering data

Type		Order No.	Pcs. / Pkt.
STTB 4-PV	①	**3031542**	50

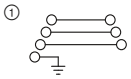
Accessories[1])

D-STTB 4	**3030462**	50

Multi-level terminal block

Notes:

[1]) For additional accessories and technical data, see page 186.





32 A, four-level terminal block with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**101**	**83.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**800**	**0.08 - 6 / 28-10**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	28 / 4	30 / -	30 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 4-PE/3L**	①	**3038338**	50

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

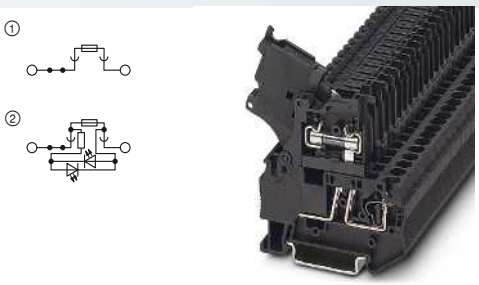
Notes:

[1]) For additional accessories and technical data, see page 186.

[2]) If the fuse is faulty, the downstream circuit is not off load.

[3]) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see phoenixcontact.net/products.

For the derating curve, see phoenixcontact.net/products



6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses



20 A, lever-type disconnect terminal block, same shape

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**61.5**	**62.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3[3])	**500[3])**	**0.08 - 6 / 28-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	300	300 / -
Nominal current / cross section	[A] / [mm²]	6.3[3]) / 1	10 / -	6.3 / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Fuse terminal block	black	**ST 4-HESI (5X20)**	①	**3036369**	50
With LED for 12 – 30 V DC, 0.31 – 0.95 mA[2])	black	**ST 4-HESILED 24 (5X20)**	②	**3036547**	50
for 30 – 60 V AC/DC, 0.40 – 0.86 mA[2])	black	**ST 4-HESILED 60 (5X20)**	②	**3036550**	50
110 – 250 V AC/DC, 0.41 – 0.96 mA[2])	black	**ST 4-HESILA 250 (5X20)**	②	**3036563**	50
Disconnect terminal block	black/orange				

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**61.5**	**62.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.08 - 6 / -**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	- / -

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 4-HEDI	①	**3035140**	50

Fuse terminal blocks

Notes:

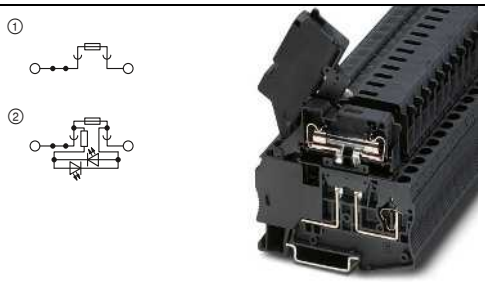
[1]) For additional accessories and technical data, see page 186.

[2]) If the fuse is faulty, the downstream circuit is not off load.

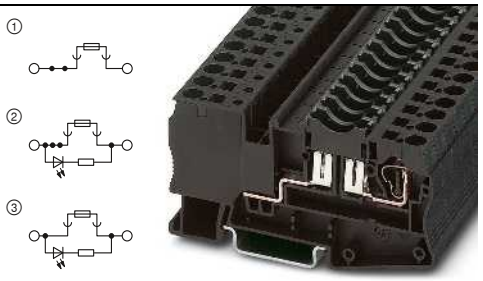
[3]) For derating curve, visit phoenixcontact.net/products

[4]) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see phoenixcontact.net/products.

The recommended continuous load capacity of the fuse-links according to DIN 72581/Part 3 is max. 80 percent of their nominal current (at an ambient temperature of 23°C)



10 A, lever-type fuse terminal block, for 6.3 x 32 mm cartridge fuses



30 A, fuse terminal block for type C flat-type fuses

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**76.5**	**69 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		10[4])	**400**	**0.08 - 6 / 28-10**
Max. bridge current	[A]	32 (FBS)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	300	300 / -
Nominal current / cross section	[A] / [mm²]	10[4]) / 1.5	15 / -	10 / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Fuse terminal block	black	**ST 4-HESI (6,3X32)**	①	**3036385**	50
With LED for 12 – 30 V AC/DC, 0.31 – 0.95 mA[2])	black	**ST 4-HESILED 24 (6,3X32)**	②	**3038765**	50
110 – 250 V AC/DC, 0.41 – 0.96 mA[2])	black	**ST 4-HESILA 250 (6,3X32)**	②	**3038778**	50
Fuse terminal block, for flat-type fuses	black				
With light indicator for 12 V DC, 1.7 mA[2])	black				
With light indicator for 24 V DC, 1.9 mA[2])	black				

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**86.5**	**43.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[3])	**400[4])**	**0.08 - 6 / 28-10**
Max. bridge current	[A]	41 (FBS)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400[4])	300	300 / -
Nominal current / cross section	[A] / [mm²]	30[4]) / 4	30 / -	10 / -

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 4-FSI/C	①	**3036372**	50
ST 4-FSI/C-LED 12	②	**3036495**	50
ST 4-FSI/C-LED 24	③	**3036505**	50

Disconnect and knife disconnect terminal blocks

Notes:

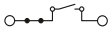
[1]) For additional accessories and technical data, see page 186.

[2]) Current and voltage are determined by the plug used.

① 



20 A, disconnect terminal block

① 



20 A, knife disconnect terminal block

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
6.2	**61.5**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20[2])	**500[2])**	**0.08 - 6**	**28-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500[2])	300	300	-
20[2]) / 2.5	10 / -	16 / -	-

Technical data[1])

Width	Length	Height	
6.2	**61.5**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500**	**0.08 - 6**	**28-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	-
20 / 2.5	10 / -	16 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Disconnect terminal block	gray	**ST 4-TG**	①	**3038367**	50
Knife disconnect terminal block	gray				

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 4-MT	①	**3038875**	50

Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 186.

① 



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)

① 



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
6.2	**87**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
1.5	**800**	**0.08 - 6**	**-**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	-	-	-
1.5 / 1	-	-	-

Technical data[1])

Width	Length	Height	
6.2	**87**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
1.5	**800**	**0.08 - 6**	**-**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	-	-	-
1.5 / 1	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**ST 4-QUATTRO-DIO 1N 5408/L-R**	①	**3037782**	50
	gray				

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 4-QUATTRO-DIO 1N 5408/R-L	①	**3037795**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 4-QUATTRO**	**3030527**	50

Accessories[1])

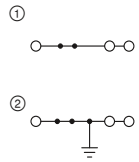
D-ST 4-QUATTRO	**3030527**	50

Hybrid terminal blocks with screw connection on one side, 4 (6) mm²

Notes:

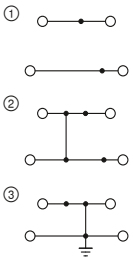
1) For additional accessories and technical data, see page 186.

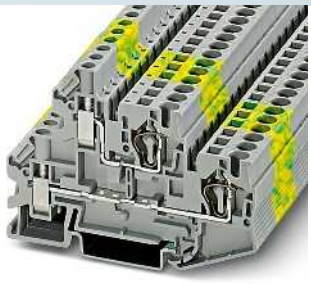
2) For screw connection rated data, see page 40.





38 A, feed-through terminal block, 3 connections





32 A, double-level terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	74.4	42.8 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		38	800	0.08 - 6 / 28-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data[2])		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / -
Cross section range	AWG	26 - 10	-	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STU 4-TWIN**	①	3033058	50
	blue	**STU 4-TWIN BU**	①	3033061	50
With potential distribution	gray				
Ground terminal	green-yellow	**STU 4-TWIN-PE**	②	3033074	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 4**	3030420	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	81	55.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	500	0.08 - 6 / -
Max. bridge current	[A]	22 (FBS) / 22 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	30 / 4	-	- / -
Cross section range	AWG	28 - 10	-	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STTBU 4**	①	3033155	50
	blue	**STTBU 4 BU**	①	3033168	50
With potential distribution	gray	**STTBU 4-PV**	②	3033184	50
Ground terminal	green-yellow	**STTBU 4-PE**	③	3033171	50

Accessories[1])

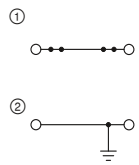
Cover, width 2.2 mm	gray	**D-ST 4-TWIN**	3030491	50

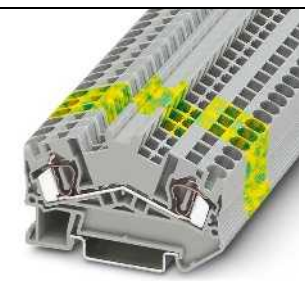
Desk-design terminal blocks

Notes:

1) For additional accessories and technical data, see page 186.

For information on installation and using accessories for Ex applications, see page 602.

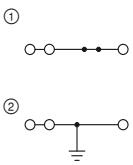




38 A, feed-through terminal block

Ex:

PTB 07ATEX1027U / IECEx PTB 07.0024U





38 A, feed-through terminal block, 3 connections

Ex:

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	64.5	43 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		38	800	0.08 - 6 / 28-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 28.5 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STS 4**	①	3036424	50
	blue	**STS 4 BU**	①	3036437	50
Ground terminal	green-yellow	**STS 4-PE**	②	3036440	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STS 4**	3031704	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	64.5	43 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		38	800	0.08 - 6 / 28-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 30 / 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STS 4-TWIN**	①	3031665	50
	blue	**STS 4-TWIN BU**	①	3036291	50
Ground terminal	green-yellow	**STS 4-TWIN-PE**	②	3031678	50

Accessories[1])

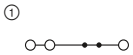
Cover, width 2.2 mm	gray	**D-STS 4**	3031704	50

Desk-design terminal blocks

Notes:

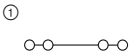
[1]) For additional accessories and technical data, see page 186.

For information on installation and using accessories for Ex applications, see page 602.





38 A, feed-through terminal block, 3 connections





38 A, feed-through terminal block, 4 connections

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	6.2	64.6	43 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38	800	0.08 - 6	28-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	-	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	6.2	64.5	43 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38	800	0.08 - 6	28-10
Max. bridge current	[A]	24			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	28.5 / 4

Ordering data

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Type		Order No.	Pcs. / Pkt.
STS 4-TWIN/L	①	3036592	50
STS 4-TWIN/L BU	①	3036589	50

Ordering data

Type		Order No.	Pcs. / Pkt.
STS 4-QUATTRO	①	3031681	50
STS 4-QUATTRO BU	①	3036301	50
STS 4-QUATTRO-PE	②	3031694	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STS 4-TWIN/L**	3036770	50

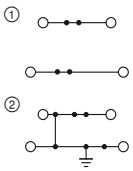
Accessories[1])

D-STS 4		3031704	50

Desk-design terminal blocks

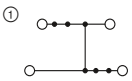
Notes:

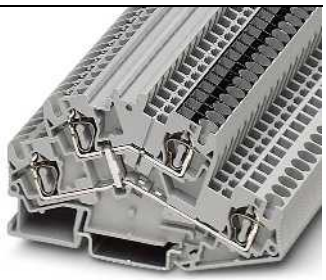
[1]) For additional accessories and technical data, see page 186.





34 A, double-level terminal block





34 A, double-level terminal block, with equipotential bonding

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	6.2	92.4	55 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		34	500	0.08 - 6	28-10
Max. bridge current	[A]	28 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	28 / 4	30 / -	30 / -	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	6.2	92.4	55 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		34	500	0.08 - 6	28-10
Max. bridge current	[A]	28 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	28 / 4	30 / -	30 / -	-

Ordering data

Description	Color
Terminal block	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow

Type		Order No.	Pcs. / Pkt.
STTBS 4	①	3035056	50
STTBS 4 BU	①	3035069	50
STTBS 4-PE	②	3035072	50

Ordering data

Type		Order No.	Pcs. / Pkt.
STTBS 4-PV	①	3035085	50

Accessories[1])

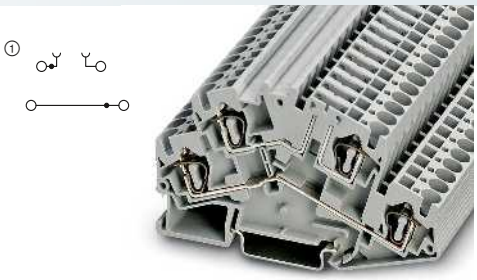
Cover, width 2.2 mm	gray	**D-STTBS 4**	3035098	50

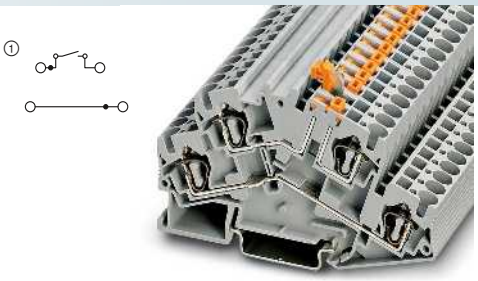
Accessories[1])

D-STTBS 4		3035098	50

Desk-design disconnect and knife disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 186.
2) Current and voltage are determined by the plug used.
3) Lower level





4 (6) mm², 34 A, double-level terminal block with disconnect zone

4 (6) mm², 34 A, double-level knife disconnect terminal block

Technical data[1]				
Dimensions				
	Width	Length	Height	
	[mm]	**6.2**	**92.4**	**55 (NS 35/7,5)**
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	34[3]	**500[2]**	**0.08 - 6**	**28-10**
Max. bridge current	[A]	28 (FBS) / 24 (FBSR)		
Rated data				
	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500[2]	600	- -
Nominal current / cross section	[A] / [mm²]	28[2]) / 2.5	16 / -	- -
Nominal current / cross section	[A] / [mm²]	20 (disconnect level)		

Technical data[1]				
	Width	Length	Height	
	6.2	**92.4**	**55 (NS 35/7,5)**	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	34[3]	**500**	**0.08 - 6**	**28-10**
	28 (FBS) / 24 (FBSR)			
	IEC	UL / CUL	CSA	Ex
	500	600	-	-
	28[2]) / 2.5	16 / -	-	-
	20 (disconnect level)			

Description	Color	Type	Order No.	Pcs. / Pkt.
Disconnect terminal block	gray	**STTBS 4-TG** ①	**3035483**	50
Knife disconnect terminal block	gray blue			

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
STTBS 4-MT	①	**3035470**	50
STTBS 4-MT BU	①	**3035522**	50

Accessories[1]			
Cover, width 2.2 mm	gray	**D-STTBS 4-MT**	**3035548**	50

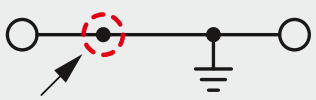
Accessories[1]		
D-STTBS 4-MT	**3035548**	50

6 mm² ST... spring-cage connection terminal blocks

General technical data for 6 mm² ST... spring-cage connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	6			
Cross section range	AWG	24 - 8			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	12			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

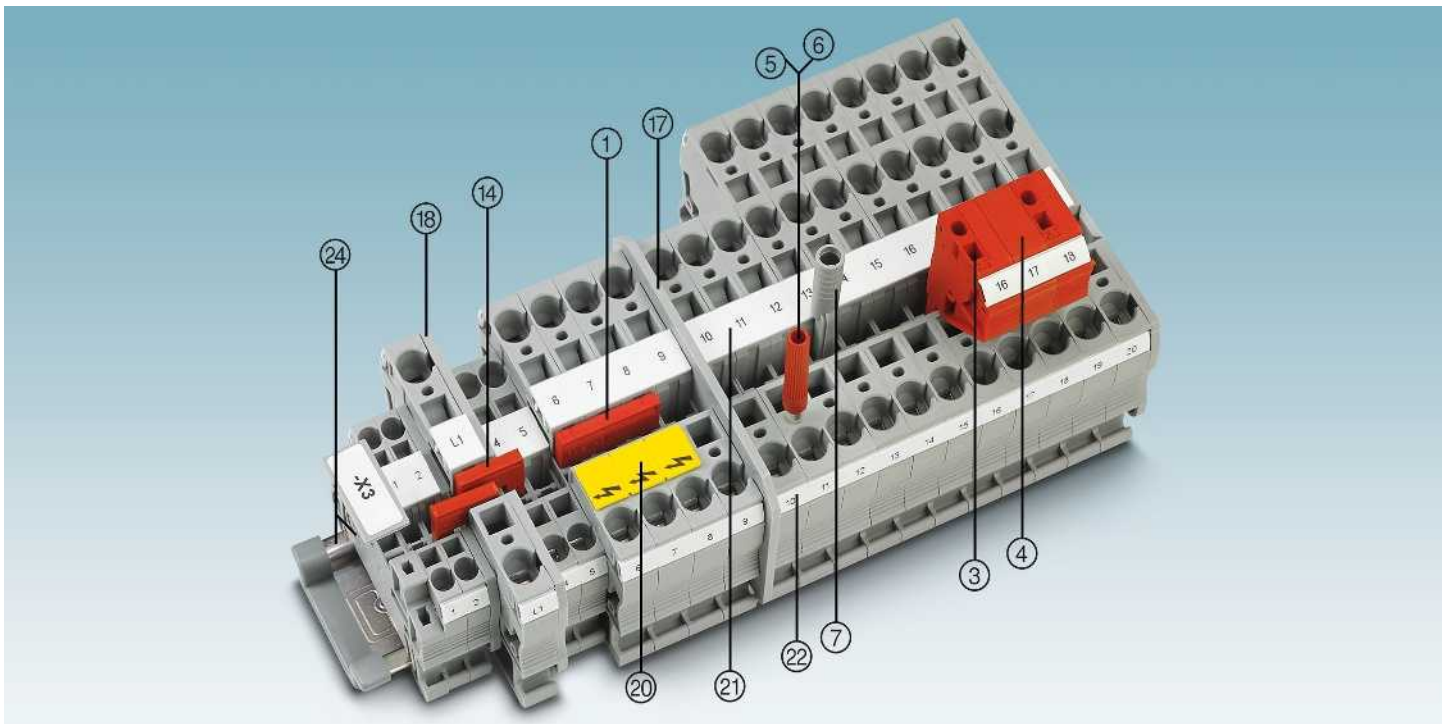


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 6 mm² ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-8**	**3030284**	10	**FBSR 2-8**	**3033808**	10
	3	red	**FBS 3-8**	**3030297**	10	**FBSR 3-8**	**3001597**	10
	4	red	**FBS 4-8**	**3030307**	10	**FBSR 4-8**	**3000585**	10
	5	red	**FBS 5-8**	**3030310**	10	**FBSR 5-8**	**3033809**	10
	10	red	**FBS 10-8**	**3030323**	10	**FBSR 10-8**	**3001599**	10
	16	red				**FBSR 16-8**	**3033816**	10
③ **Modular test plug**		red	**PS-8**	**3031005**	10			
④ **Spacer plate**		red	**DP PS-8**	**3036741**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
Screwdriver			**SZF 2-0,8X4,0**	**1204520**	10			

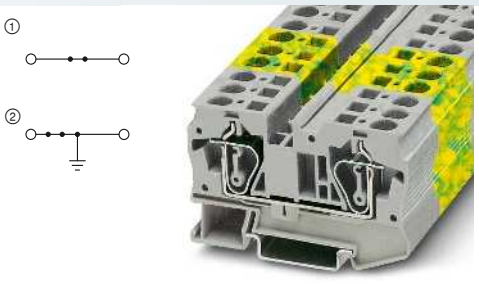
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉑ **Center groove marking**	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through and multi-conductor terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 194.

For information on installation and using accessories for Ex applications, see page 602.



52 A, feed-through terminal block

Ex:

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

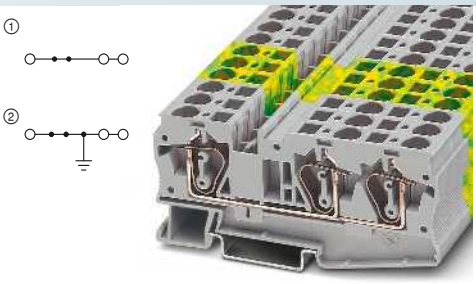
Dimensions				
	[mm]	Width	Length	Height
		8.2	69.5	43.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		52	1000	0.2 - 10 / 24-8
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 550
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / - / 36.5 / 6

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 6**	①	**3031487**	50
	blue	**ST 6 BU**	①	**3031490**	50
Ground terminal	green-yellow	**ST 6-PE**	②	**3031500**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 6**	**3030433**	50



52 A, feed-through terminal block, 3 connections

Ex:

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	90.5	43.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		52	1000	0.2 - 10 / 24-8
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 550
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / - / 36 / 6

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 6-TWIN**	①	**3036466**	50
	blue	**ST 6-TWIN BU**	①	**3036479**	50
Ground terminal	green-yellow	**ST 6-TWIN-PE**	②	**3036482**	50

Accessories[1])

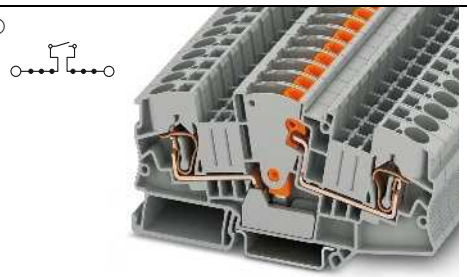
Cover, width 2.2 mm	gray	**D-ST 6-TWIN**	**3036767**	50

Test disconnect terminal blocks

– Rated voltage of 1000 V

Notes:

[1]) For additional accessories and technical data, see page 194.



30 A, 1000 V, disconnect terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	100.8	49.6 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	1000	0.2 - 10 / 24-8
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / -
Nominal current / cross section	[A] / [mm²]	30 / 6	30 / -	30 / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STME 6 HV**	①	**3035693**	50
	blue	**STME 6 HV BU**	①	**3035694**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-DTME 6**	**3034426**	10

6 mm² ST... spring-cage connection terminal blocks

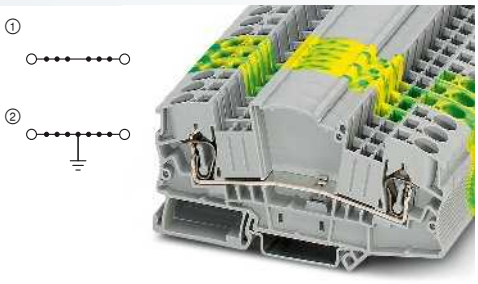
Test disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 194.



30 A, test disconnect terminal block



41 A, feed-through terminal block, same shape

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
8.2	**100.8**	**49.6 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**500**	**0.2 - 10**	**24-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
30 / 6	30 / -	30	-

Ordering data

Type		Order No.	Pcs. / Pkt.
STME 6	①	**3035700**	50

Accessories[1])

D-DTME 6	**3034426**	10

Description	Color
Test disconnect terminal block	gray
Feed-through terminal block	gray
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

Technical data[1])

Width	Length	Height	
8.2	**100.8**	**49.6 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**500**	**0.2 - 10**	**24-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
41 / 6	30 / -	30	-

Ordering data

Type		Order No.	Pcs. / Pkt.
STMED 6	①	**3035713**	50
STMED 6-PE	②	**3035726**	50

Accessories[1])

D-DTME 6	**3034426**	10

Supplementary accessories for STME 6 test disconnect terminal blocks



– Current transformer measuring circuit can be created using just two STME 6
– Less space required compared to creating circuits with slide-type terminal blocks
① FBS... jumper for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switching jumper
⑤ C-ME 6/2 connection bridge

Description	No. of pos.	Color
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
	1	brown
Switching lock, plug-in		white
Switching jumper, plug-in	2	gray/orange
	3	gray/orange
	4	gray/orange
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange
	3	orange

Ordering data

Type	Order No.	Pcs. / Pkt.
PAI-4-FIX-5/6 OG	**3035974**	10
PAI-4-FIX-5/6 YE	**3035977**	10
PAI-4-FIX-5/6 GN	**3035978**	10
PAI-4-FIX-5/6 VT	**3035979**	10
PAI-4-FIX-5/6 BK	**3035980**	10
PAI-4-FIX-5/6 BU	**3035975**	10
PAI-4-FIX-5/6 RD	**3035976**	10
PAI-4-FIX-5/6 GY	**3035982**	10
PAI-4-FIX-5/6 BN	**3035981**	10
S-ME 6	**3034439**	10
SB-ME 2-8	**3034468**	10
SB-ME 3-8	**3032800**	10
SB-ME 4-8	**3034484**	10
C-ME 6/2	**3034442**	10
C-ME 6/3	**3034390**	50

Diode terminal blocks

Notes:

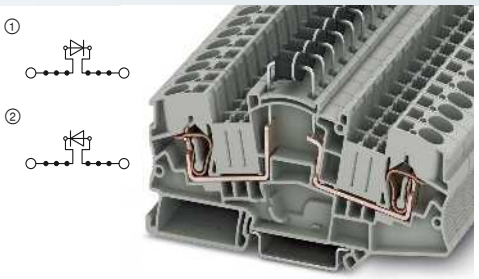
[1]) For additional accessories and technical data, see page 194.

[2]) If the diode is loaded to 5 A, the surface reaches a temperature of 140°C.

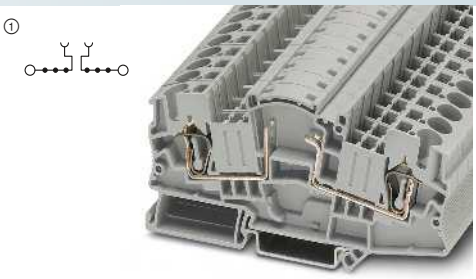
[3]) 1000 V reverse voltage.

If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them.

Covers should ensure that the parts are not touched.



5 A, 1000 V, diode terminal block, same shape



Terminal block, for soldering a component

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**8.2**	**100.8**	**60 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		5[2])	**1000[3])**	**0.2 - 10**	**24-8**
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000[3])	600	-	-
Nominal current / cross section	[A] / [mm²]	5[2]) / 6	5	-	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**8.2**	**100.8**	**60 (NS 35/7,5)**	
Max. electrical data			$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
			500	**0.2 - 10**	**-**
		41 (FBS) / 32 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	-	-	-
		30 / 6	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**STME 6-DIO/L-R HV**	①	**3035691**	50
	gray	**STME 6-DIO/R-L HV**	②	**3035692**	50
Terminal block, component can be soldered in	gray				

Ordering data

Type		Order No.	Pcs. / Pkt.
STME 6-BE	①	**3035688**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-DTME 6**	**3034426**	10
Spacer plate	gray	**DP-STMED 6**	**3035690**	50

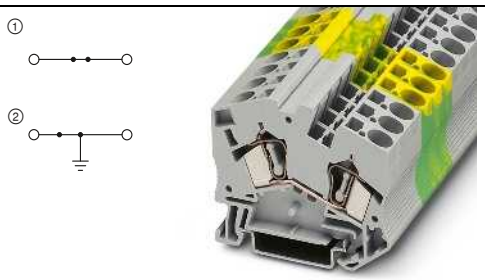
Accessories[1])

D-DTME 6	**3034426**	10
DP-STMED 6	**3035690**	50

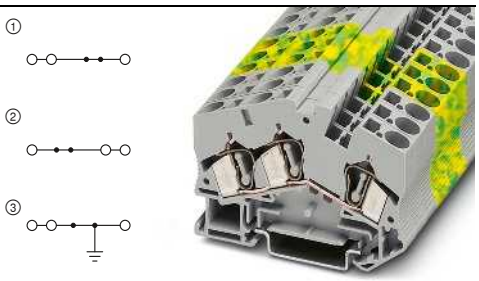
Desk-design terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 194.



57 A, feed-through terminal block



57 A, feed-through terminal block, 3 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**8.2**	**58**	**50 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**800**	**0.2 - 10**	**24-8**
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / -	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**8.2**	**70**	**50 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**800**	**0.2 - 10**	**24-8**
		41 (FBS) / 32 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		800	600	600	-
		41 / 6	50 / -	50 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STS 6**	①	**3038121**	50
	blue	**STS 6 BU**	①	**3038134**	50
Ground terminal	green-yellow	**STS 6-PE**	②	**3038147**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
STS 6-TWIN	①	**3038150**	50
STS 6-TWIN BU	②	**3038163**	50
STS 6-TWIN-PE	③	**3038176**	50

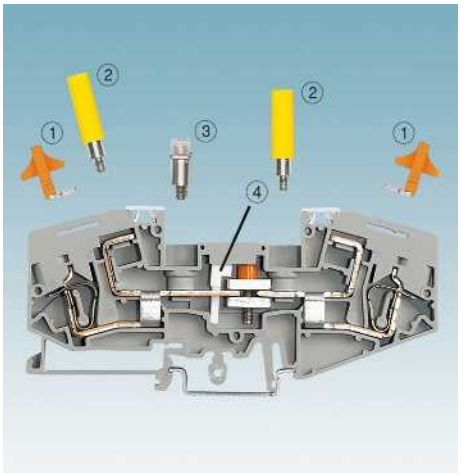
Accessories[1])

Cover, width 2.2 mm	gray	**D-STS 6**	**3038189**	50

Accessories[1])

D-STS 6-TWIN	**3038202**	50

Test disconnect terminal blocks

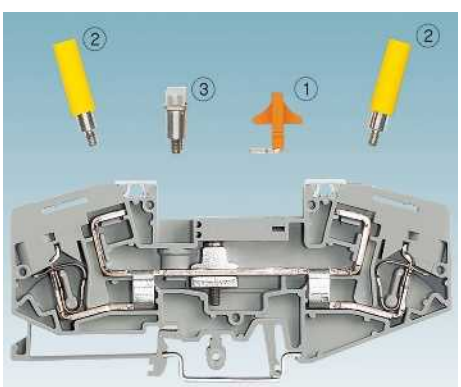


– The SRTK 6 test disconnect terminal block and the SGSK 6 slide-type terminal block have been specially designed for use in current transformer secondary circuits
– Only two SRTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① SB... switch bar
② 4 mm Ø PSBJ-URTK 6... test sockets
③ FBRI 10-8 N fixed bridge for cross connection
④ S-URTK/SP switching lock

Slide-type terminal blocks

– Several measuring devices or protective relays can be connected individually using the SGSK 6 slide-type terminal block
– The slide can be connected with the switch bar depending on the switching tasks.

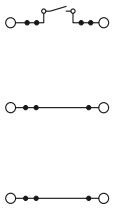


SGSK 6 slide-type terminal block

Notes:

For technical data, see page 194.

S-URTK/SP switching lock can only be used with SRTK 6.





45 A, test disconnect terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.2	**113**	**49**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG (UL)
		45	**400**	**0.2 - 10** **18-8**
Rated data		IEC 60947-7-1		
		IEC	UL	CSA IEC/ EN 60079-7
Rated voltage	[V]	400	300	- -
Nominal current / cross section	[A] / [mm²]	41 / 6	40 / -	- -
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6 0.25 - 6
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- 0.5 - 1.5
General data				
Disconnect slide: Thread / Torque	- / [Nm]	M3 / 0.6 - 0.8		
Torque: Test socket, fixed bridge, switch bar	[Nm]	0.6 - 0.8		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block		gray	**SRTK 6**		**3029952**	50
Slide-type terminal block		gray	**SGSK 6**		**3029965**	50
Feed-through terminal block		gray	**SRDK 6**		**3029973**	50

Accessories

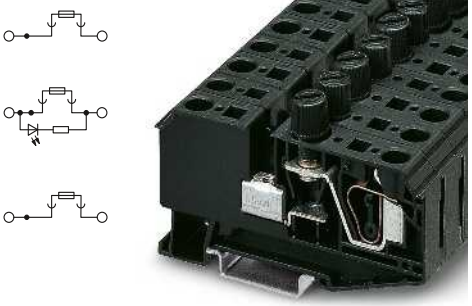
Cover, width 2 mm		gray	**D-SRTK 6**		**3029981**	10
Switching jumper, complete						
	2	orange	**SB 2-8-T**	41 A	**3026366**	10
	3	orange	**SB 3-8-T**	41 A	**3026492**	10
	4	orange	**SB 4-8-T**	41 A	**3026379**	10
	10	orange	**SB 10-8-T**	41 A	**3026382**	10
for bridging between non-adjacent terminals	10	orange	**SB 10-8-T SO**	41 A	**3026395**	10
Fixed bridge, isolated						
	10	silver	**FBRI 10-8 N**	41 A	**2772080**	10
Switching lock, excludes the possibility of unintentional operation of the disconnect slide		white	**S-URTK/SP**		**0311155**	50
Test socket, insulated		transparent	**PSBJ-URTK 6 FARBLOS**		**3026450**	10
		blue	**PSBJ-URTK 6 BU**		**3026434**	10
		yellow	**PSBJ-URTK 6 YE**		**3026405**	10
		green	**PSBJ-URTK 6 GN**		**3026418**	10
		violet	**PSBJ-URTK 6 VT**		**3026421**	10
		black	**PSBJ-URTK 6 BK**		**3026447**	10
		gray	**PSBJ-URTK 6 GY**		**3026612**	10
		brown	**PSBJ-URTK 6 BN**		**3026971**	10
		red	**PSBJ-URTK 6 RD**		**3026719**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black	**KSSI 2-8**		**3000722**	10
4-pos.		black	**KSSI 4-8**		**3000735**	10
Screwdriver			**SZF 2-0,8X4,0**		**1204520**	10
Center groove marking			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

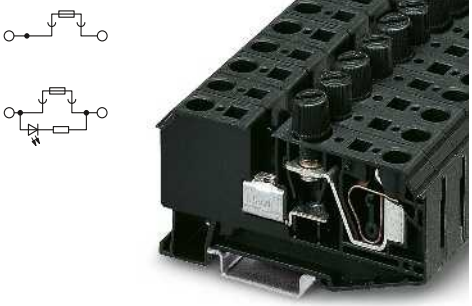
Fuse terminal blocks

Notes:

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see phoenixcontact.net/products.





10 A, fuse terminal block for, 5 x 20 mm cartridge fuses

10 A, fuse terminal block, for 6.3 x 32 mm cartridge fuses

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12**	**86.5**	**56.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		10²)	**800²)**	**0.5 - 10**	**20-8**
Rated data		IEC 60947-7-3			
		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800²)	600	-	-
Nominal current / cross section	[A] / [mm²]	10²) / 1.5	20 / -	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 8	20-8	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Fuse type / dimensions	– / [mm]	G / 5 x 20			
Stripping length	[mm]	12			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block		black	**ZFK 6-DREHSI (5X20)**		**3025040**	25
for 12 - 30 V DC, 0.7 - 2.4 mA¹)		black	**ZFK 6-DREHSILED 24 (5X20)**		**3025600**	25
110 – 250 V AC/DC, 0.2 – 0.9 mA¹)		black	**ZFK 6-DREHSILA 250 (5X20)**		**3025590**	25
Fuse terminal block, with indicating pin		black	**ZFK 6-DREHSI/K (5X25)**		**3029457**	25

Accessories

Fixed bridge, isolated	10	silver	**FBI 10-12**	57 A	**0203454**	10
Test plug metal part, 2.3 mm Ø		silver	**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Screwdriver			**SZF 2-0,8X4,0**		**1204520**	10
Center and lateral groove marking			**UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)**			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12**	**86.5**	**56.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		10	**800**	**0.5 - 10**	**20-8**
Rated data		IEC 60947-7-3			
		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	10 / 1.5	20 / -	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 8	20-8	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Fuse type / dimensions	– / [mm]	G / 6,3 x 32			
Stripping length	[mm]	12			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ZFK 6-DREHSI (6,3X32)		**3025273**	25
ZFK 6-DREHSILED 24 (6,3X32)		**3025587**	25
ZFK 6-DREHSILA 250 (6,3X32)		**3025574**	25

Accessories

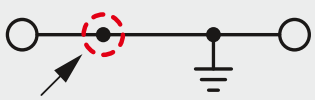
FBI 10-12	57 A	**0203454**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)			

General technical data for 10 mm² ST... spring-cage connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	10			
Cross section range	AWG	24 - 6			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 2.5
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

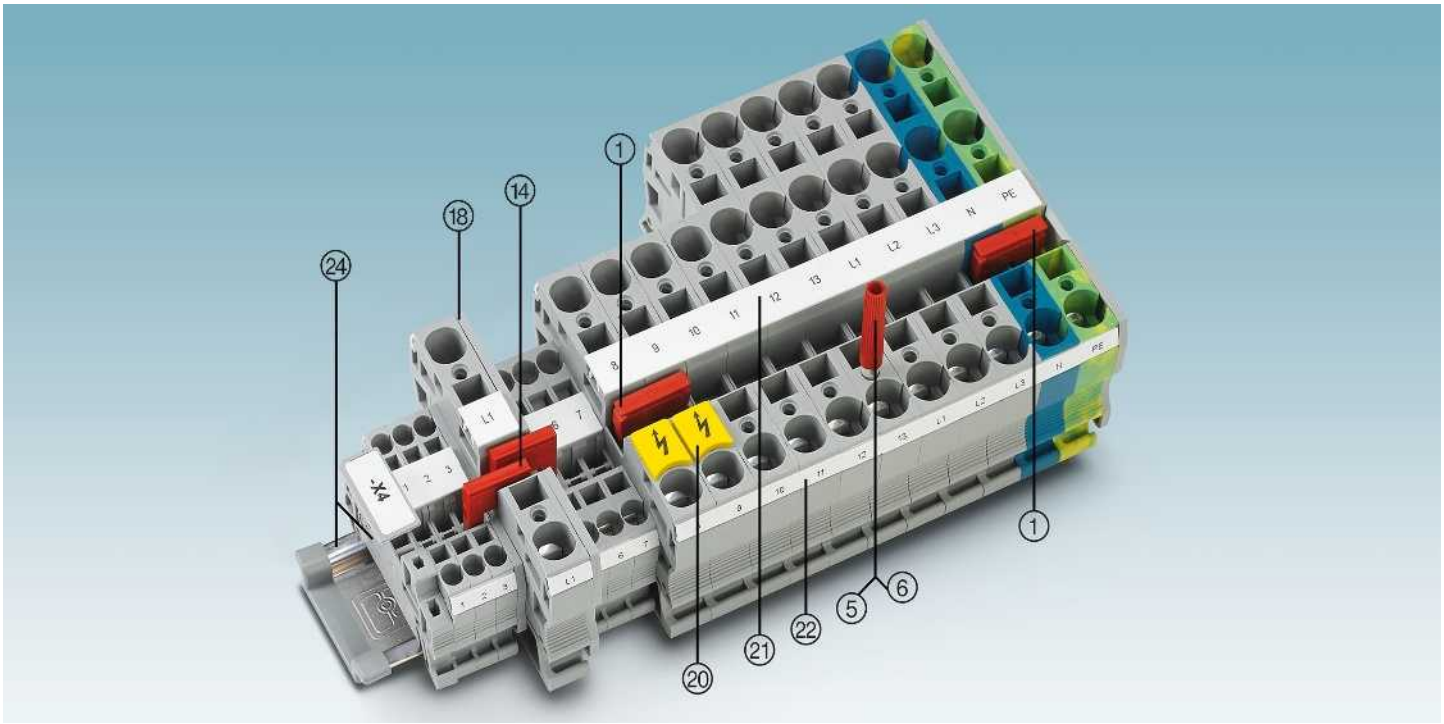


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 10 mm² ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-10**	**3005947**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉑ **Center groove marking**	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 10, UCT-TMF 10 or ZBF 10. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through and multi-conductor terminal blocks and ground terminals

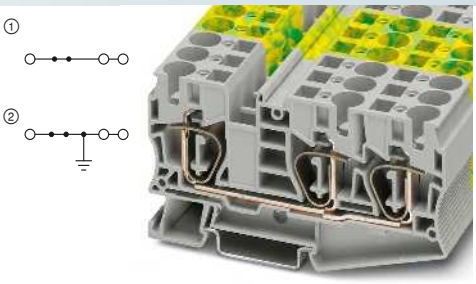
Notes:

[1]) For additional accessories and technical data, see page 200.

For information on installation and using accessories for Ex applications, see page 602.



65 A, feed-through terminal block



70 A, feed-through terminal block, 3 connections

Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**10.2**	**71.5**	**50.3 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		65	**1000**	**0.2 - 16**	**16-6**
Max. bridge current	[A]	57			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	550
Nominal current / cross section	[A] / [mm²]	57 / 10	65 / -	65 / -	50 / 10

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 10**	①	**3036110**	50
	blue	**ST 10 BU**	①	**3036123**	50
Ground terminal	green-yellow	**ST 10-PE**	②	**3036136**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 10**	**3036644**	50

Technical data[1])

		Width	Length	Height	
	[mm]	**10.2**	**97**	**50.3 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		70	**1000**	**0.2 - 16**	**16-6**
	[A]	57			
		IEC	UL / CUL	CSA	Ex
	[V]	1000	600	600	-
	[A] / [mm²]	57 / 10	55 / -	55	-

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 10-TWIN	①	**3035288**	25
ST 10-TWIN BU	①	**3035292**	25
ST 10-TWIN-PE	②	**3035302**	25

Accessories[1])

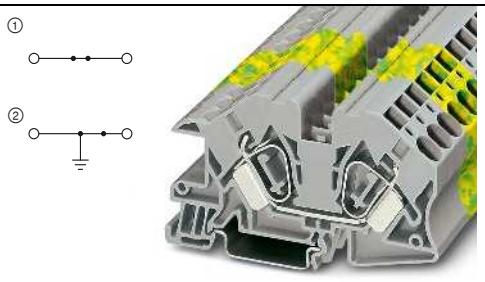
D-ST 10-TWIN	**3035315**	50

Installation terminal blocks

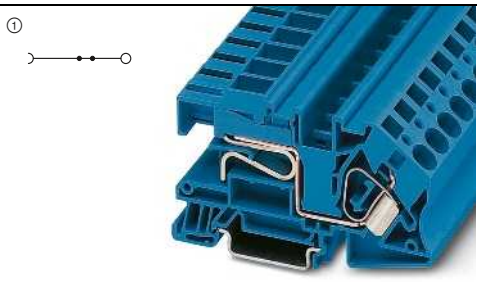
Notes:

[1]) For additional accessories and technical data, see page 200.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products



57 A, feed-through terminal block



57 A, neutral disconnect terminal block

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**10**	**87**	**49 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**400**	**0.2 - 16**	**-**
Max. bridge current	[A]	57			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STI 10**	①	**3038215**	25
	blue	**STI 10 BU**	①	**3038228**	25
Neutral disconnect terminal block	blue				
Ground terminal	green-yellow	**STI 10-PE**	②	**3038231**	25

Accessories[1])

Cover, width 2 mm	gray	**D-STI 10/16**	**3038309**	25
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-STI 16/10**	**3037669**	10

Technical data[1])

		Width	Length	Height	
	[mm]	**10**	**87**	**50 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**400**	**0.2 - 16**	**-**
	[A]	57			
		IEC	UL / CUL	CSA	Ex
	[V]	400	-	-	-
	[A] / [mm²]	57 / 10	-	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
STN 10	①	**3038244**	25

Accessories[1])

D-STI 10/16	**3038309**	25
AB-STI 16/10	**3037669**	10

Hybrid terminal blocks with screw connection on one side, 16 (16) mm²

Notes:

For additional accessories and technical data, see page 200



57 A, power terminal, 4 x 2.5 mm² outlets

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		10.3	**68**	**48.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**800**	**0.5 - 16** / **20-8**
Rated data, screw connection		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	55 / 10	50 / -	- / -
Cross section range	AWG	20 - 6	20-8	- / -
Connection capacity, screw connection		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10 / 0.5 - 10
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 6
Rated data, spring-cage connection		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	50 / -	- / -
Cross section range	AWG	24 - 10	20-8	- / -
Connection capacity, spring-cage connection		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]			/ 0.14 - 0.5
General data				
Stripping length	[mm]	8 - 10		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block		gray	**STU 10/ 4X2,5**		**3033139**	50
		blue	**STU 10/ 4X2,5 BU**		**3033142**	50

Accessories

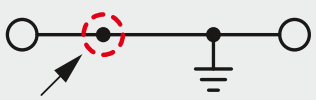
Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 10**		**3047112**	50
Cover, width 2.2 mm		gray	**D-STU 10/ 4X2,5**		**3033197**	50
Jumper						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
Screwdriver			**SZF 2-0,8X4,0**		**1204520**	10

General technical data for 16 mm² ST... spring-cage connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	16			
Cross section range	AWG	24 - 4			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 4
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

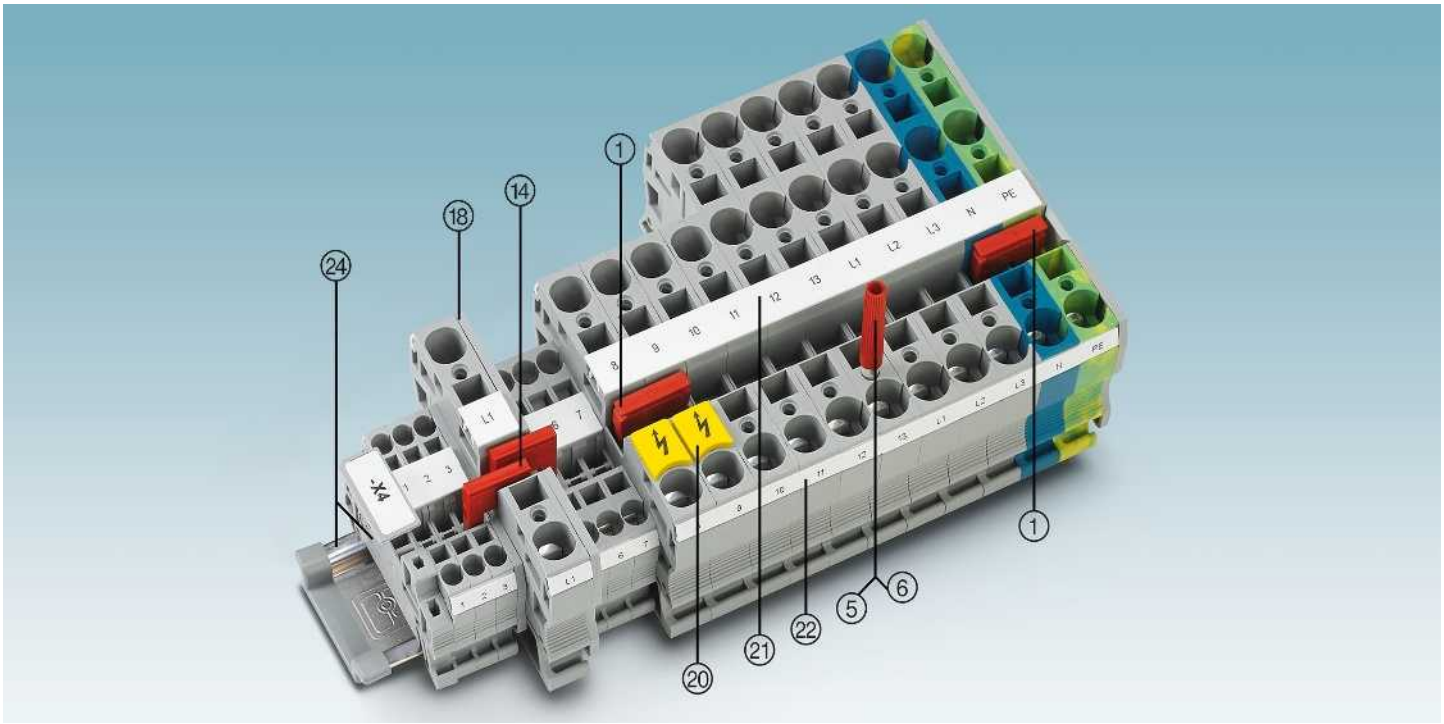


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 16 mm² ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-12**	**3005950**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10			

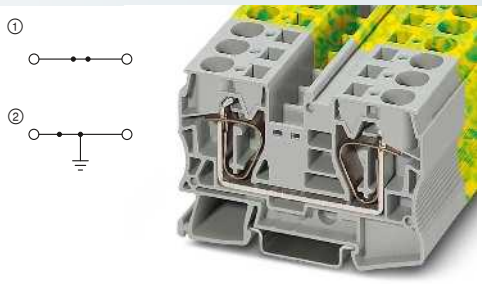
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉑ **Center groove marking**	**UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 12, UCT-TMF 12 or ZBF 12. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through and multi-conductor terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 204.

For information on installation and using accessories for Ex applications, see page 602.



90 A, feed-through terminal block

Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**12.2**	**80**	**51.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		90	**1000**	**0.2 - 25**	**16-4**
Max. bridge current	[A]	76			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	550
Nominal current / cross section	[A] / [mm²]	76 / 16	85 / -	85 / -	65 / 16

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 16**	①	**3036149**	50
	blue	**ST 16 BU**	①	**3036152**	50
Ground terminal	green-yellow	**ST 16-PE**	②	**3036165**	25

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 16**	**3036657**	50



90 A, feed-through terminal block, 3 connections

Technical data[1])

		Width	Length	Height	
	[mm]	**12.2**	**107.8**	**51.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		90	**1000**	**0.2 - 25**	**16-4**
	[A]	76			
		IEC	UL / CUL	CSA	Ex
	[V]	1000	600	600	-
	[A] / [mm²]	76 / 16	75 / -	75	-

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 16-TWIN	①	**3035328**	25
ST 16-TWIN BU	①	**3035331**	25
ST 16-TWIN-PE	②	**3035344**	25

Accessories[1])

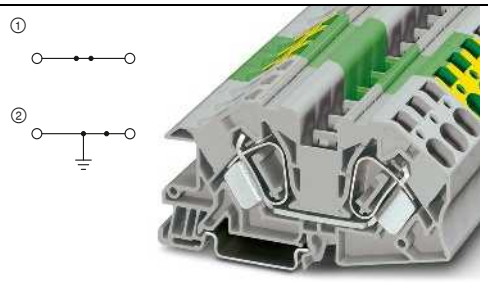
D-ST 16-TWIN	**3035357**	50

Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 204.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products



76 A, feed-through terminal block

Technical data[1])

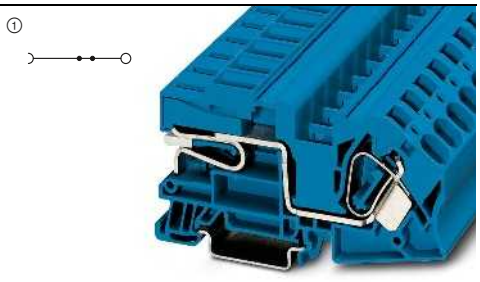
Dimensions		Width	Length	Height	
	[mm]	**12**	**95**	**49 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		76	**400**	**0.2 - 25**	**-**
Max. bridge current	[A]	76			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	76 / 16	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STI 16**	①	**3038257**	25
	blue	**STI 16 BU**	①	**3038260**	25
Neutral disconnect terminal block	blue				
Ground terminal	green-yellow	**STI 16-PE**	②	**3038273**	25

Accessories[1])

Cover, width 2 mm	gray	**D-STI 10/16**	**3038309**	25
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-STI 16/10**	**3037669**	10



76 A, neutral disconnect terminal block

Technical data[1])

		Width	Length	Height	
	[mm]	**12**	**95**	**50 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		76	**400**	**0.2 - 25**	**-**
	[A]	76			
		IEC	UL / CUL	CSA	Ex
	[V]	400	-	-	-
	[A] / [mm²]	76 / 16	-	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
STN 16	①	**3038286**	25

Accessories[1])

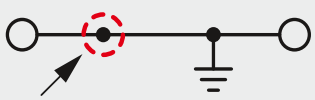
D-STI 10/16	**3038309**	25
AB-STI 16/10	**3037669**	10

35 mm² ST... spring-cage connection terminal blocks

General technical data for 35 mm² ST... spring-cage connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	35			
Cross section range	AWG	14 - 2			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	2.5 - 10
General data					
Stripping length	[mm]	25			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

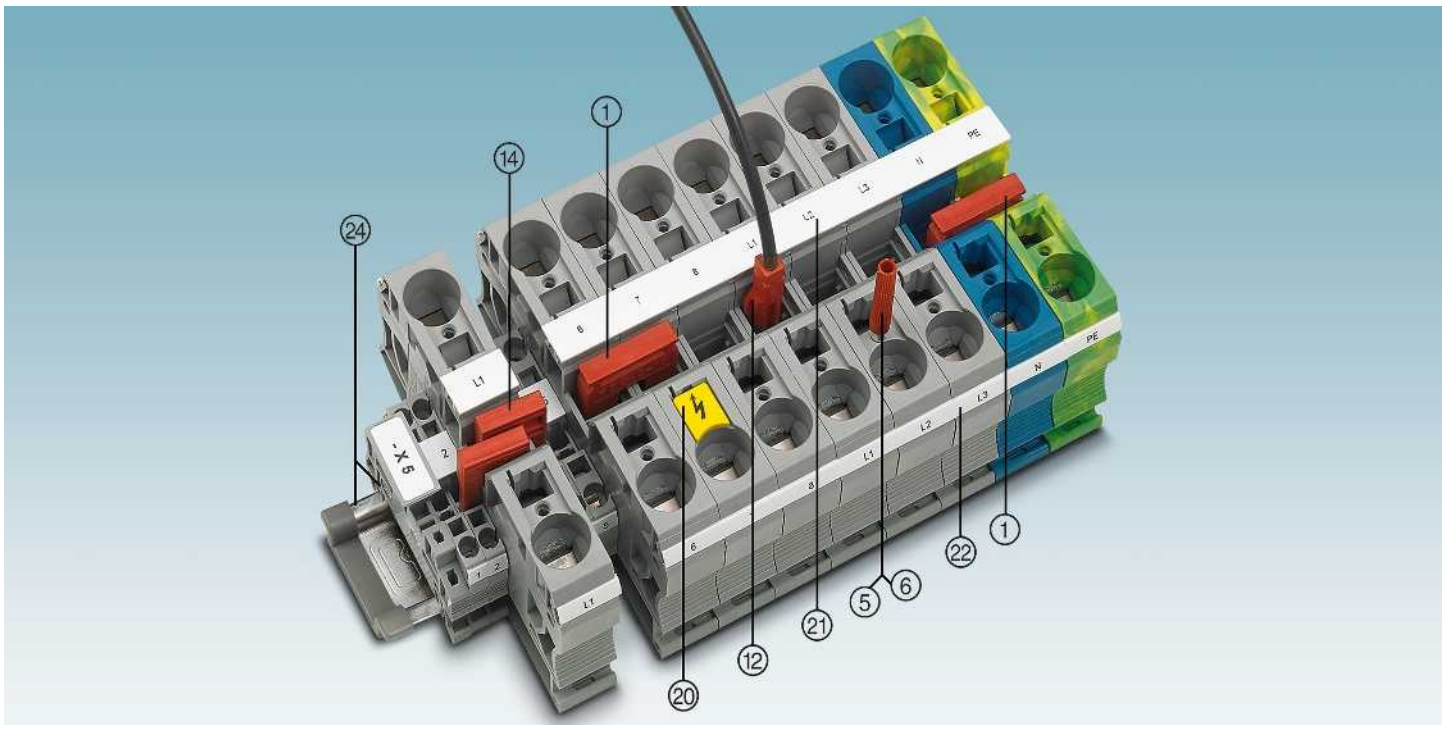


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 35 mm² ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-16**	**3005963**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑫ **Test plug,** with 2.5 mm² conductor		red	**PAI-ST 35/1000MM**	**3029994**	20			
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉑ **Center groove marking**	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 16, UCT-TMF 16 or ZBF 16. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

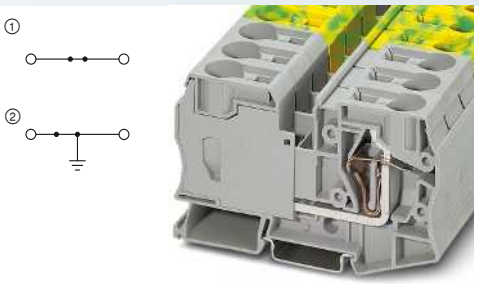
Feed-through terminal blocks and ground terminals

Notes:

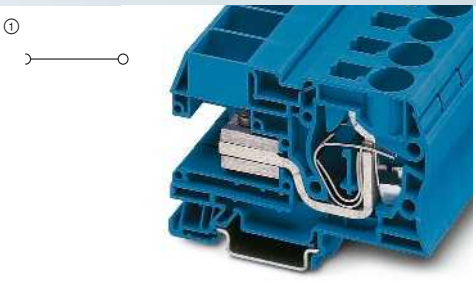
[1]) For additional accessories and technical data, see page 206.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
The corresponding support brackets can be found at phoenixcontact.net/products

For information on installation and using accessories for Ex applications, see page 602.



125 A, feed-through terminal block



125 A, neutral disconnect terminal block

Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**16**	**100**	**59 (NS 35/7,5)**
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	125	**1000**	**2.5 - 35**	**14-2**
Max. bridge current	[A]	101		
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	115 / -	108 / 35

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 35**	①	**3036178**	10
	blue	**ST 35 BU**	①	**3036181**	10
Neutral disconnect terminal block	blue				
Ground terminal	green-yellow	**ST 35-PE**	②	**3036194**	10

Accessories[1])

Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue		

Technical data[1])

Dimensions				
	Width	Length	Height	
	16	**92**	**59 (NS 35/7,5)**	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	125	**400**	**2.5 - 35**	**-**
	IEC	UL / CUL	CSA	Ex
	400	-	-	-
	125 / 35	-	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
STN 35	①	**3038299**	10

Accessories[1])

AB-STI 16/10		**3037669**	10

Hybrid terminal blocks with screw connection on one side

– Rated voltage of 1000 V

Notes:

For additional accessories and technical data, visit phoenixcontact.net/products

For screw connection rated data, visit phoenixcontact.net/products

For further jumpers, see page 340.



125 A (screw connection), power terminal, 4 x 10 mm² outlets

Technical data

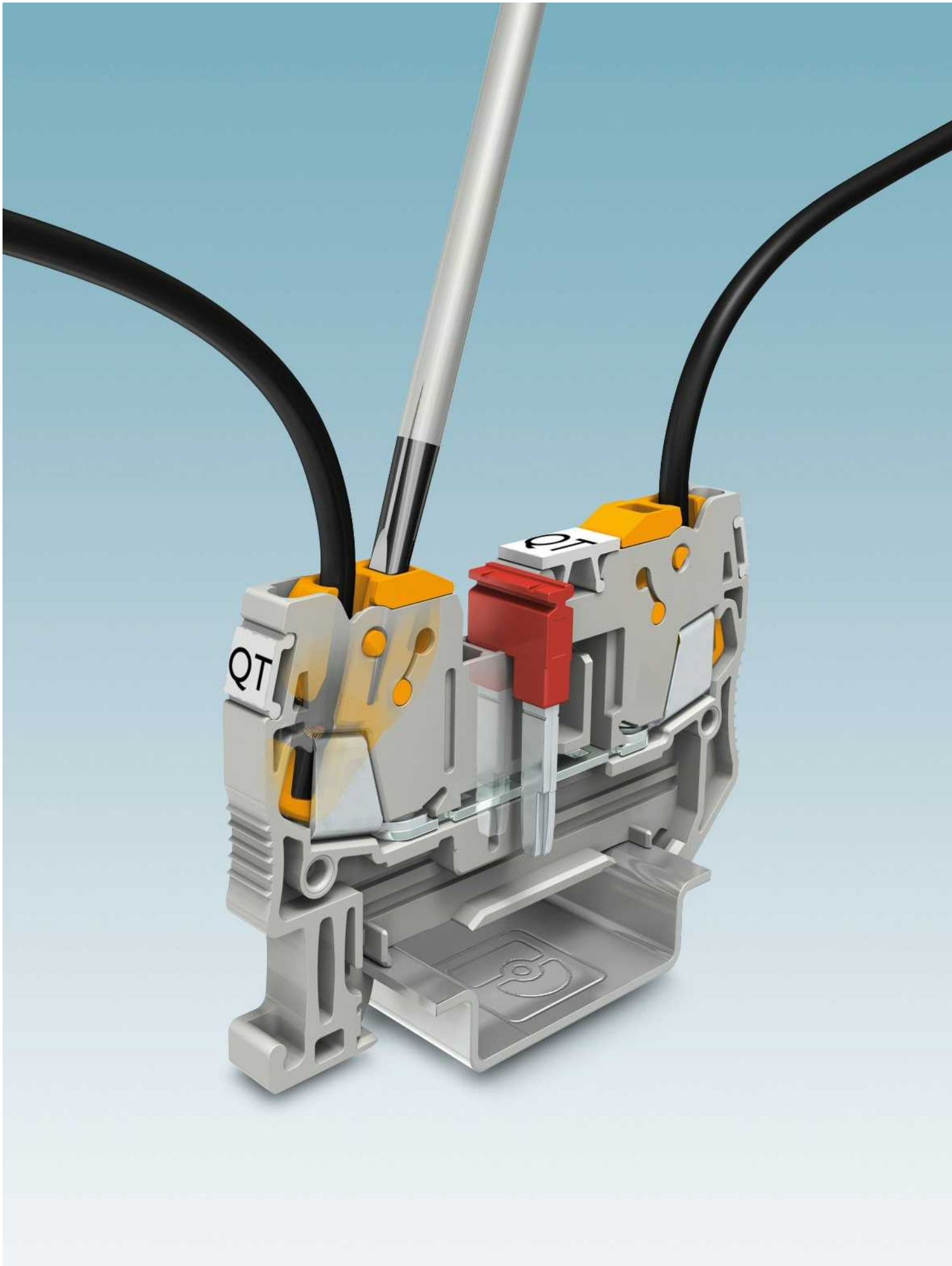
Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**16.2**	**86**	**46.8**
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41	**1000**	**2.5 - 35**	**14-2**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	115 / -	-	-
Cross section range	AWG	12 - 2	14-2	-	-
General data					
Stripping length	[mm]	35			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Terminal block		gray	**STU 35/ 4X10**	**3033126**	25
		blue	**STU 35/ 4X10 BU**	**3033210**	25

Accessories

Jumper					
	2	red	**FBS 2-8**	**3030284**	10


QT
QT

QT... fast connection terminal blocks

The use of QT... fast connection terminal blocks can save up to 60 percent of the time required for wiring, since stripping and fitting splicing protection are no longer necessary. The cables just need to be cut to length for contact to be made in a matter of seconds. An important characteristic is the space-saving connection with patented insulation displacement contact.

The start and end positions of the conductor connection are clearly identified by engagement points. When a conductor is connected, the insulation is cut open, displaced, and the conductor is securely engaged in the end position where it makes extensive, gas-tight contact. Solid and stranded conductors from 0.25 to 2.5 mm² can be wired without aids such as guide ferrules.

The high quality of the QT... fast connection terminal blocks is proven by the fact that this connection technology features various approvals and is certified under the standard for Ex e applications.

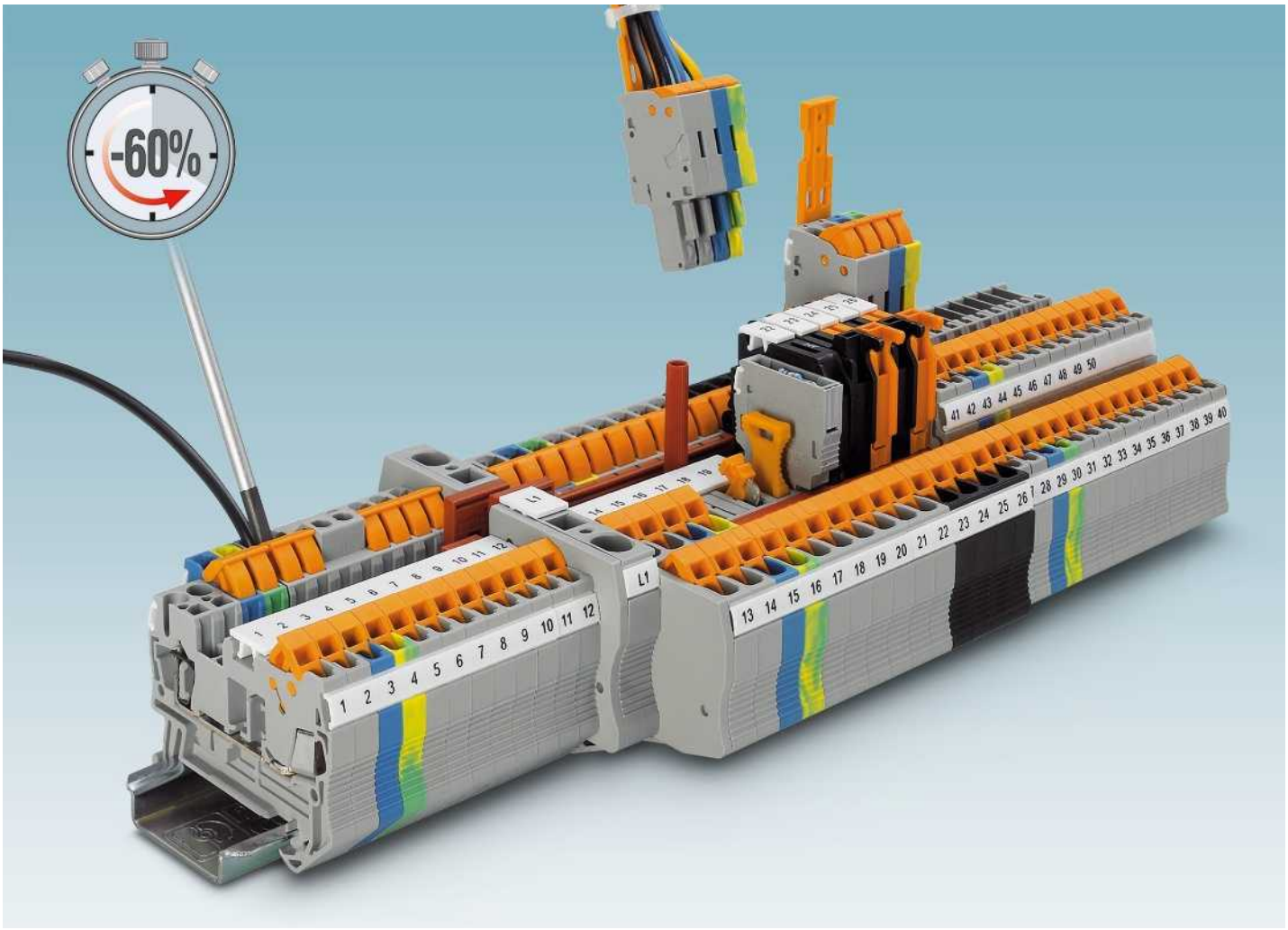
Product range overview

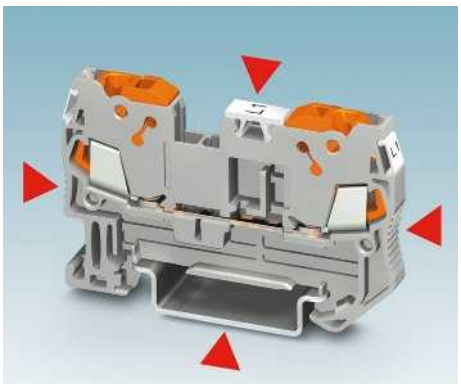
1.5 mm²

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	**215**
Disconnect terminal blocks	**216**
Knife disconnect terminal blocks	**217**
Diode terminal blocks	**217**
Hybrid terminal blocks with screw connection on one side	**218**
Hybrid terminal blocks with spring-cage connection on one side	**219**

2.5 mm²

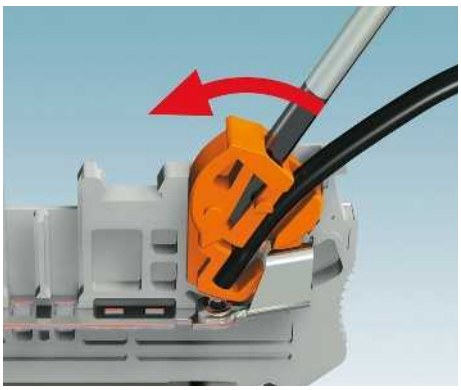
Feed-through and multi-conductor terminal blocks	**221**
Disconnect terminal blocks	**221**
Knife disconnect terminal blocks	**221**
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape	**222**
Hybrid terminal blocks with screw connection on one side	**222**
Hybrid terminal blocks with spring-cage connection on one side	**223**





Space-saving design

The QUICKON QT series is characterized by the IDC connection. This allows space to be saved without limiting the quality features in any way:
– Large-surface marking
– Maximum connection space
– Flexible jumper system



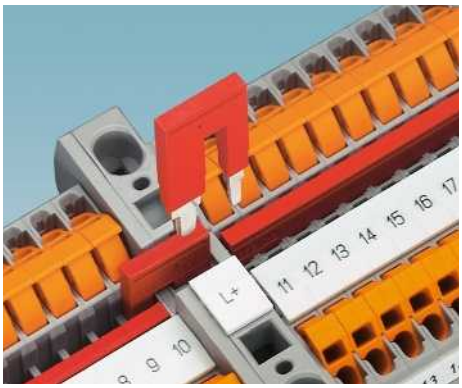
Trim to length - Connect - Job done!

Time savings of 60% and more compared with other connection systems. Stripping and fitting splicing protection is no longer necessary thanks to the QUICKON fast connection system. All that is needed is to cut the conductors to the correct length and they can then be contacted within seconds.

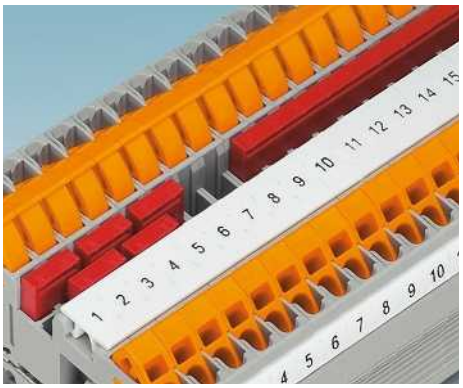


Powerful cutting contact

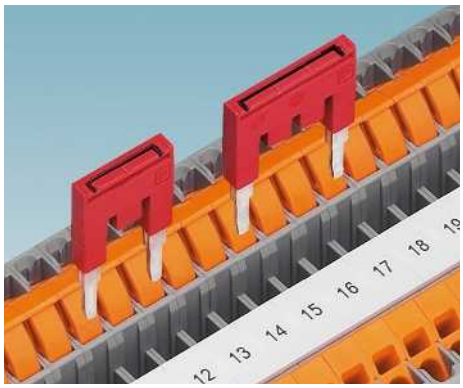
The 0.25 to 2.5 mm² conductor connection is provided by the patented cutting contact. High-quality special alloys and latches for the switching states ensure safe electrical connections at all times. Large, spring-mounted contact points guarantee 24 A current-carrying capacity.



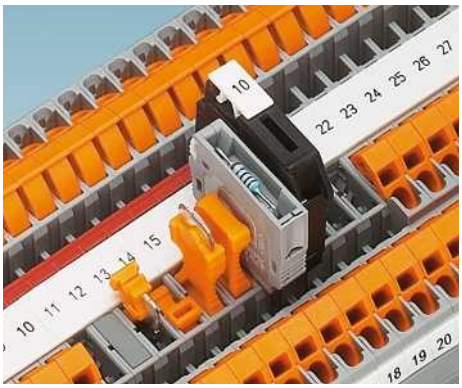
The reducing bridge enables time-saving and low-cost potential distribution when supplying large cross sections. The reducing bridge connects, e.g., an ST 10 terminal block to a QTC 1,5 or QTC 2,5.



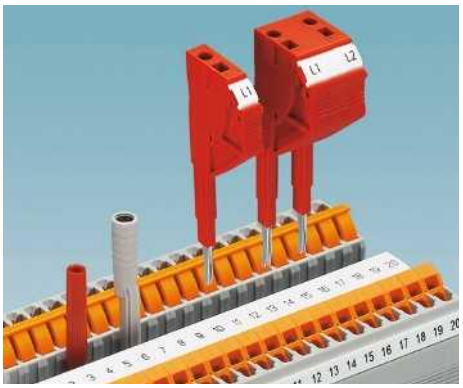
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



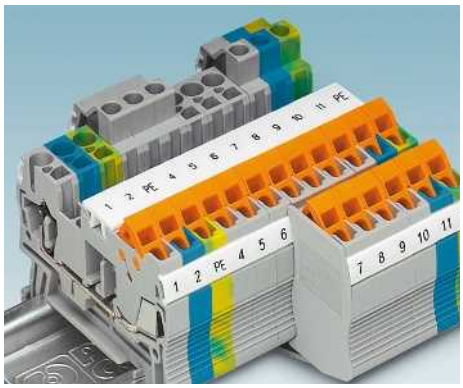
A jumping bridge is created by removing individual forks from the standard bridge. Two potentials can then be routed in parallel. There is scope for marking on the top of the bridge.



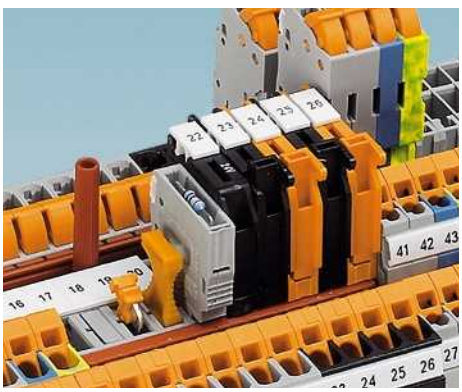
The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component connector, and P-FU cartridge fuse plug with a 5.2 mm pitch can be used in the universal plug-in zone of the disconnect terminal block.



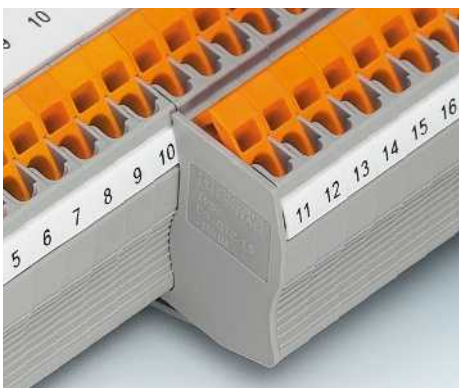
A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



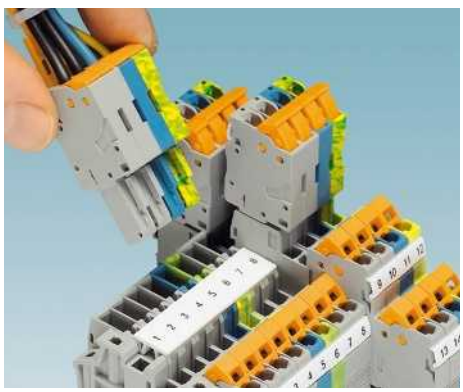
The hybrid versions combine the time-saving rapid connection method with the benefits of the screw or spring-cage method.



Lever-type fuse terminal blocks are also available to suit the function terminal blocks. The retentive fuse holders can be used in a black housing with a micro fuse or in an orange housing with a contact metal.



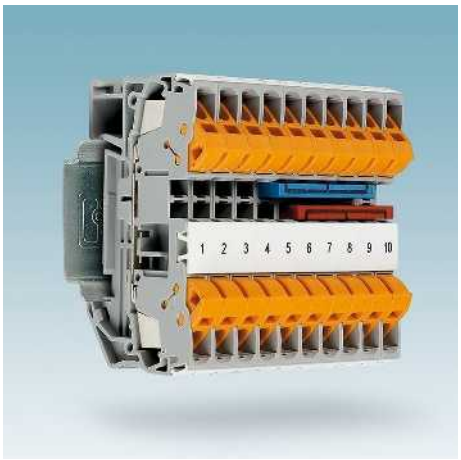
Cover segments are used to cover protruding terminal block segments of three- or four-conductor terminal blocks, when adding two-conductor terminal blocks. Fingers are thereby protected from contact.



QT COMBI basic terminal blocks and plugs with fast connection are available for the plug-in configuration of signal wiring with fast connection. See “COMBI” section, page 225.

QT... fast connection terminal blocks

QT... feed-through terminal blocks



- Time savings of up to 60 percent during connection as no conductor pretreatment is required
- Easy to operate and use thanks to the patented insulation displacement contact
- Universal use thanks to large cross section range
- Space saving thanks to the compact design

Your web code: #0053

QT... disconnect and knife disconnect terminal blocks



- Convenient separation of circuits using lever-type disconnect knife, isolating plug or rotary contact
- User-friendly current measurement thanks to testing facility on either side of the disconnect point
- Safe operation as the disconnect lever is locked in the end positions
- Clear identification of the disconnect point thanks to color highlighting
- Easy handling of the disconnect knife using a standard screwdriver

Your web code: #0054

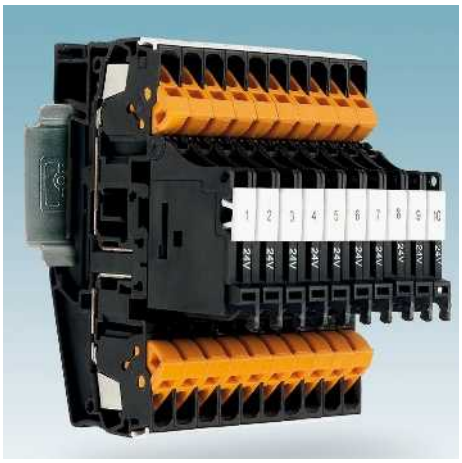
QTCU... and QTCS... hybrid terminal blocks



- Meet requirements for internal and external wiring at the same time as different connection methods are integrated in a single terminal block
- Free choice of connection technology thanks to two combination options
- Version with fast connection/spring-cage connection or fast connection/screw connection
- Uniform distances from cable ducts
- Feed-through terminal blocks and ground terminals of the same shape

Your web code: #0055

QT... fuse terminal blocks



– Extremely compact design
– Two function shafts mean that all potential distribution tasks can be undertaken at speed
– QTC 2,5-TG / -MT function terminal blocks of the same shape are available
– Test connection on both sides in safety lever
– Versions with light indicator for indicating that a fuse has blown round off the range

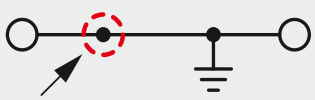
Your web code: #0162

1.5 mm² QT... fast connection terminal blocks

General technical data for 1.5 mm² QT... fast connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm²]	1.5
Cross section range	AWG	24 - 16
Connection cross section according to DIN VDE 0295		
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16
Frequency of connections with the same cross section		100
General data		
Insulating material		PA
Inflammability class according to UL 94		V0
Note: additional or deviating data is documented for the product.		

Notes:

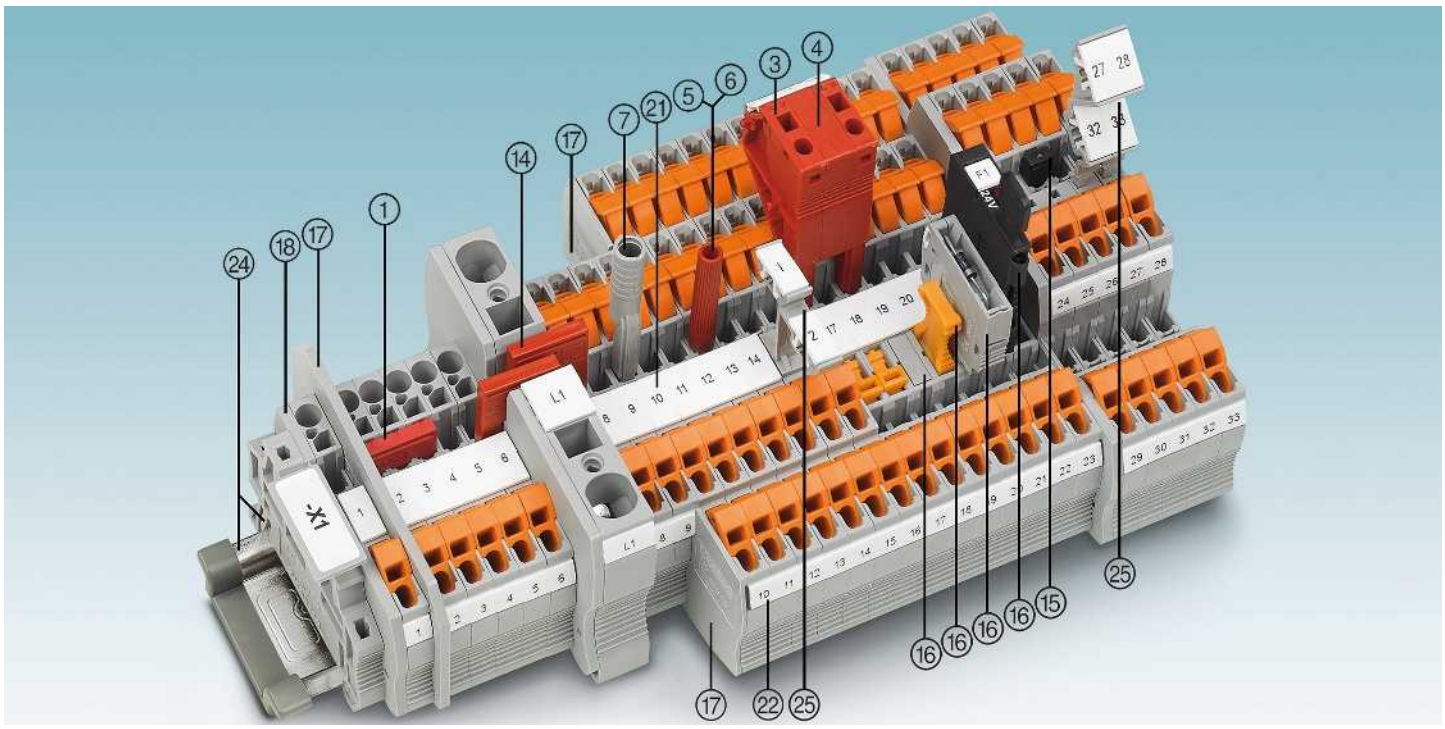


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 1.5 mm² QT... fast connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-5**	**3030161**	50	**FBSR 2-5**	**3033702**	50
	3	red	**FBS 3-5**	**3030174**	50	**FBSR 3-5**	**3001591**	50
	4	red	**FBS 4-5**	**3030187**	50	**FBSR 4-5**	**3001592**	50
	5	red	**FBS 5-5**	**3030190**	50	**FBSR 5-5**	**3001593**	50
	10	red	**FBS 10-5**	**3030213**	10	**FBSR 10-5**	**3033710**	10
	20	red	**FBS 20-5**	**3030226**	10			
③ **Modular test plug**		red	**PS-5**	**3030983**	10			
④ **Spacer plate**		red	**DP PS-5**	**3036725**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

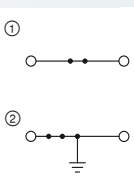
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS ..., see page 341.**
⑯ **Fuse and function plugs for disconnect terminal blocks**	**For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉕ **Marker carrier**	**For STP ..., see page 352.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 214.

For information on installation and using accessories for Ex applications, see page 602.





17.5 A, feed-through terminal block

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data[1])

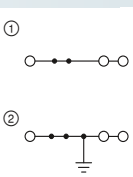
Dimensions				
	[mm]	Width	Length	Height
		5.2	58.8	39.3 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	800	0.25 - 1.5 / 24-16
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / - / 16 / 1.5

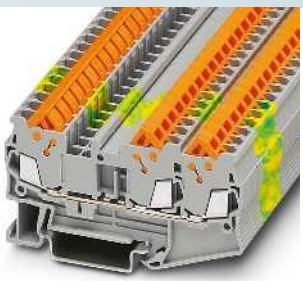
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTC 1,5**	①	**3205019**	50
	blue	**QTC 1,5 BU**	①	**3205022**	50
Ground terminal	green-yellow	**QTC 1,5-PE**	②	**3205035**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-QTC 1,5**	**3205161**	50





17.5 A, feed-through terminal block, 3 connections

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	76.4	39.3 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	800	0.25 - 1.5 / 24-16
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / - / 16 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTC 1,5-TWIN**	①	**3205048**	50
	blue	**QTC 1,5-TWIN BU**	①	**3205051**	50
Ground terminal	green-yellow	**QTC 1,5-TWIN-PE**	②	**3205064**	50

Accessories[1])

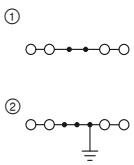
Cover, width 2.2 mm	gray	**D-QTC 1,5-TWIN**	**3205190**	50

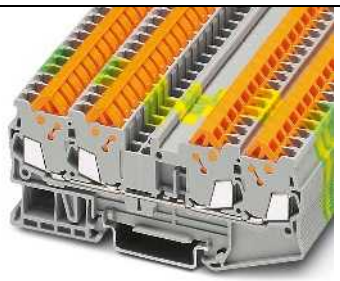
Multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 214.

For information on installation and using accessories for Ex applications, see page 602.





17.5 A, feed-through terminal block, 4 connections

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	94	39.3 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	800	0.25 - 1.5 / 24-16
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / - / 16 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTC 1,5-QUATTRO**	①	**3205077**	50
	blue	**QTC 1,5-QUATTRO BU**	①	**3205080**	50
Ground terminal	green-yellow	**QTC 1,5-QUATTRO-PE**	②	**3205093**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-QTC 1,5-QUATTRO**	**3205174**	50

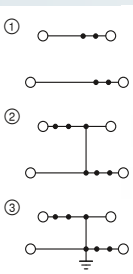
Multi-level and disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 214.

[2]) Current and voltage are determined by the plug used.

For information on installation and using accessories for Ex applications, see page 602.





17.5 A, double-level terminal block

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data[1])

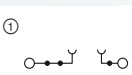
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**99.6**	**49.9 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.25 - 1.5**	**24-16**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	440
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	15 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTTCB 1,5**	①	**3205116**	50
	blue	**QTTCB 1,5 BU**	①	**3205129**	50
With potential distribution	gray	**QTTCB 1,5-PV**	②	**3205153**	50
Ground terminal	green-yellow	**QTTCB 1,5-PE**	③	**3205132**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-QTTCB 1,5**	**3205187**	50





17.5 A, disconnect terminal block

Technical data[1])

Width	Length	Height		
5.2	**76.4**	**39.3 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
17.5[2])	**400[2])**	**0.25 - 1.5**	**24-16**	
16 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400[2])	600	600	-	
17.5 / 1.5	10 / -	10 / -	-	

Ordering data

Type		Order No.	Pcs. / Pkt.
QTC 1,5-TG	①	**3205145**	50

Accessories[1])

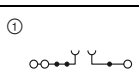
D-QTC 1,5-TWIN	**3205190**	50	

Multi-level and disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 214.

[2]) Current and voltage are determined by the plug used.





17.5 A, disconnect terminal block, 3 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**94**	**39.3 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**400[2])**	**0.25 - 1.5**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	-	-	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Disconnect terminal block	gray	**QTC 1,5-TWIN-TG**	①	**3050413**	50

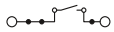
Accessories[1])

Cover, width 2.2 mm	gray	**D-QTC 1,5-QUATTRO**	**3205174**	50

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 214.

① 



17.5 A, knife disconnect terminal block

① 



17.5 A, knife disconnect terminal block, 3 connections

Description	Color
Knife disconnect terminal block	gray
Cover, width 2.2 mm	gray

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**5.2**	**76.4**	**39.3 (NS 35/7,5)**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	17.5	**400**	**0.25 - 1.5**	**24-16**
Max. bridge current	[A]	16 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
QTC 1,5-MT	①	**3205103**	50

Accessories[1])

D-QTC 1,5-TWIN		**3205190**	50

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**5.2**	**94**	**39.3 (NS 35/7,5)**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	17.5	**400**	**0.25 - 1.5**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	-	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
QTC 1,5-TWIN-MT	①	**3050407**	50

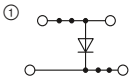
Accessories[1])

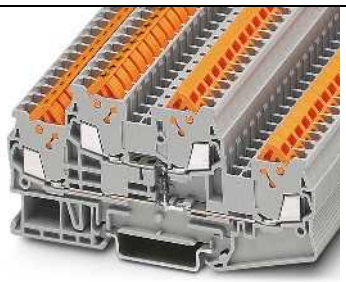
D-QTC 1,5-QUATTRO		**3205174**	50

Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 214.

① 



17.5 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)

Description	Color
Terminal block, for conducting direction see circuit diagram	gray
Cover, width 2.2 mm	gray

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**5.2**	**99.6**	**49.9 (NS 35/7,5)**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	17.5	**500**	**0.25 - 1.5**	**24-16**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
QTTCB 1,5-DIO/O-U	①	**3206241**	50

Accessories[1])

D-QTTCB 1,5		**3205187**	50

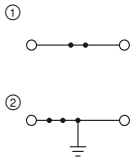
Hybrid terminal blocks with screw connection on one side, 2.5 (4) mm²

Notes:

[1]) For additional accessories and technical data, see page 214.

[2]) For screw connection rated data, visit phoenixcontact.net/products

For information on installation and using accessories for Ex applications, see page 602.





17.5 A, feed-through terminal block

Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data[1])

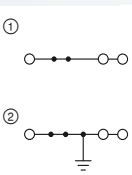
Dimensions		Width	Length	Height	
	[mm]	5.2	58.8	42.8 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	800	0.25 - 1.5	24-16
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	16.5 / 1.5

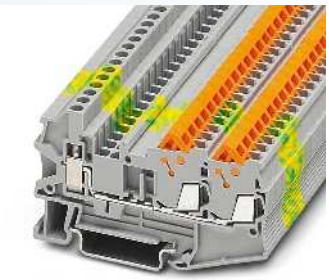
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTCU 1,5**	①	**3050015**	50
	blue	**QTCU 1,5 BU**	①	**3050028**	50
Ground terminal	green-yellow	**QTCU 1,5-PE**	②	**3050031**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-QTCU 1,5**	**3206283**	50





17.5 A, feed-through terminal block, 3 connections

Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data[1])

		Width	Length	Height	
	[mm]	5.2	76.4	42.8 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	800	0.25 - 1.5	24-16
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	17.5 / 1.5

Ordering data

Type		Order No.	Pcs. / Pkt.
QTCU 1,5-TWIN	①	**3050044**	50
QTCU 1,5-TWIN BU	①	**3050057**	50
QTCU 1,5-TWIN-PE	②	**3050060**	50

Accessories[1])

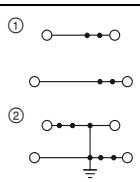
Type	Order No.	Pcs. / Pkt.
D-QTCU 1,5-TWIN	**3206296**	50

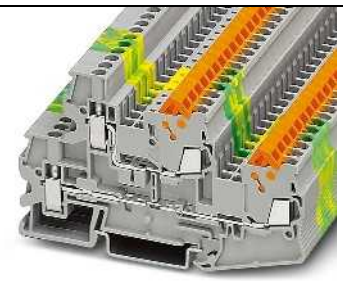
Double-level hybrid terminal blocks with screw connection on one side, 2.5 (4) mm²

Notes:

[1]) For additional accessories and technical data, see page 214.

[2]) For screw connection rated data, visit phoenixcontact.net/products





17.5 A, double-level terminal block

Technical data[1])

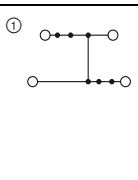
Dimensions		Width	Length	Height	
	[mm]	5.2	93.5	55.5 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.25 - 1.5	24-16
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	-

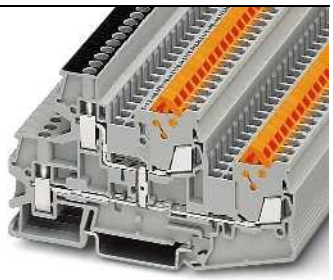
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTTCBU 1,5**	①	**3050264**	50
	blue	**QTTCBU 1,5 BU**	①	**3050280**	50
	gray				
Ground terminal	green-yellow	**QTTCBU 1,5-PE**	②	**3050277**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-QTTCBU 1,5**	**3050536**	50





17.5 A, double-level terminal block with equipotential bonder

Technical data[1])

		Width	Length	Height	
	[mm]	5.2	93.5	55.5 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.25 - 1.5	24-16
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
QTTCBU 1,5-PV	①	**3050361**	50

Accessories[1])

Type	Order No.	Pcs. / Pkt.
D-QTTCBU 1,5	**3050536**	50

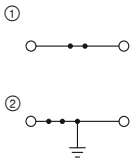
Hybrid terminal blocks with spring-cage connection on one side, 2.5 (4) mm²

Notes:

1) For additional accessories and technical data, see page 214.

2) For spring-cage connection rated data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.





17.5 A, feed-through terminal block

Ex: Ex

KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data1)

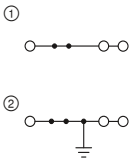
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**54.4**	**39.3 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**800**	**0.25 - 1.5**	**24-16**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data2)		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	-	17 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTCS 1,5**	①	**3050138**	50
	blue	**QTCS 1,5 BU**	①	**3050141**	50
Ground terminal	green-yellow	**QTCS 1,5-PE**	②	**3050154**	50

Accessories1)

Cover, width 2.2 mm	gray	**D-QTCS 1,5**	**3206270**	50





17.5 A, feed-through terminal block, 3 connections

Ex: Ex

KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data1)

		Width	Length	Height	
	[mm]	**5.2**	**71.6**	**39.3 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**800**	**0.25 - 1.5**	**24-16**
	[A]	24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
	[V]	800	600	-	550
	[A] / [mm²]	17.5 / 1.5	10 / -	-	17.5 / 1.5

Ordering data

Type		Order No.	Pcs. / Pkt.
QTCS 1,5-TWIN	①	**3206348**	50
QTCS 1,5-TWIN BU	①	**3206351**	50
QTCS 1,5-TWIN-PE	②	**3206364**	50

Accessories1)

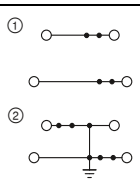
D-QTCS 1,5-TWIN	**3206403**	50

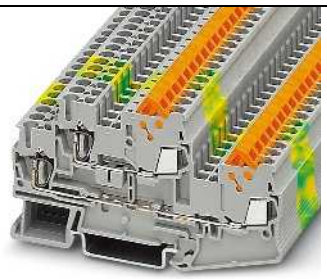
Double-level hybrid terminal blocks with spring-cage connection on one side, 2.5 (4) mm²

Notes:

1) For additional accessories and technical data, see page 214.

2) For spring-cage connection rated data, see page 170.





17.5 A, double-level terminal block

Technical data1)

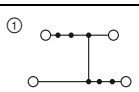
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**88.2**	**49.9 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.25 - 1.5**	**24-16**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data2)		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	-	-

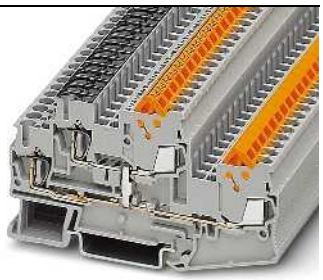
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTTCBS 1,5**	①	**3050222**	50
	blue	**QTTCBS 1,5 BU**	①	**3050235**	50
	gray				
Ground terminal	green-yellow	**QTTCBS 1,5-PE**	②	**3050248**	50

Accessories1)

Cover, width 2.2 mm	gray	**D-QTTCBS 1,5**	**3206335**	50





17.5 A, double-level terminal block with equipotential bonder

Technical data1)

		Width	Length	Height	
	[mm]	**5.2**	**88.2**	**49.9 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.25 - 1.5**	**24-16**
	[A]	24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
	[V]	500	600	-	-
	[A] / [mm²]	17.5	10 / -	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
QTTCBS 1,5-PV	①	**3206380**	50

Accessories1)

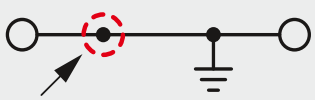
D-QTTCBS 1,5	**3206335**	50

2.5 mm² QT... fast connection terminal blocks

General technical data for 2.5 mm² QT... fast connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3
Rated cross section	[mm²]	2.5
Cross section range	AWG	20 - 14
Connection cross section according to DIN VDE 0295		
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14
Frequency of connections with the same cross section		100
General data		
Insulating material		PA
Inflammability class according to UL 94		V0
Note: additional or deviating data is documented for the product.		

Notes:

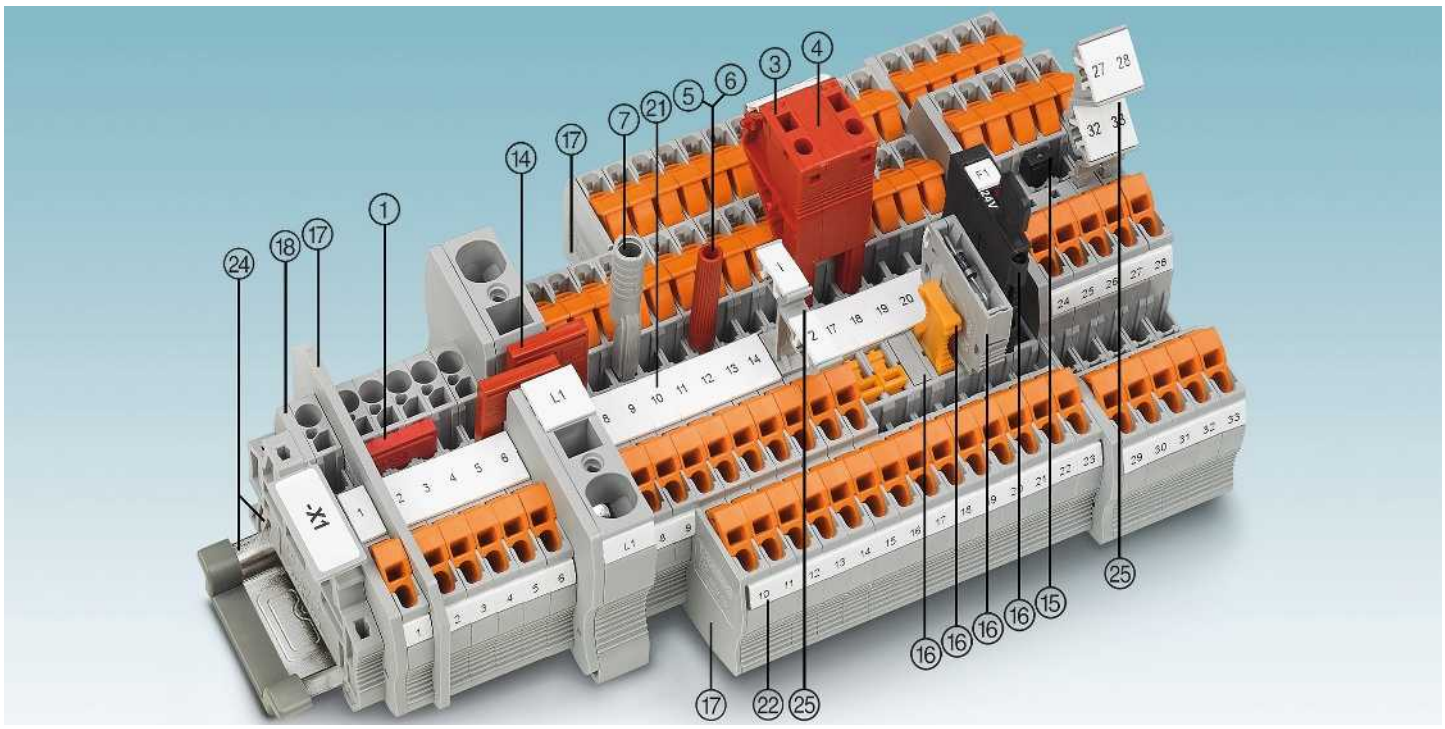


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 2.5 mm² QT... fast connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-6**	**3030336**	50	**FBSR 2-6**	**3033715**	50
	3	red	**FBS 3-6**	**3030242**	50	**FBSR 3-6**	**3001594**	50
	4	red	**FBS 4-6**	**3030255**	50	**FBSR 4-6**	**3001595**	50
	5	red	**FBS 5-6**	**3030349**	50	**FBSR 5-6**	**3001596**	50
	10	red	**FBS 10-6**	**3030271**	10	**FBSR 10-6**	**3033716**	10
	20	red	**FBS 20-6**	**3030365**	10			
③ **Modular test plug**		red	**PS-6**	**3030996**	10			
④ **Spacer plate**		red	**DP PS-6**	**3036738**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS ..., see page 341.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉕ **Marker carrier**	**For STP ..., see page 352.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

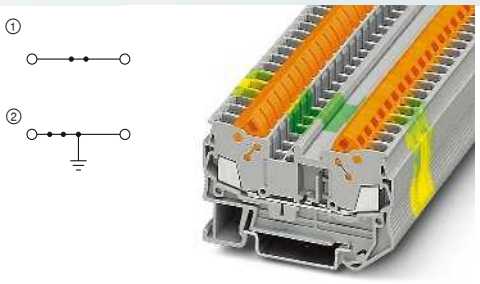
Feed-through and disconnect terminal block

Notes:

1) For additional accessories and technical data, see page 220.

2) Current and voltage are determined by the plug used.

For information on installation and using accessories for Ex applications, see page 602.



24 A, feed-through terminal block

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data1)

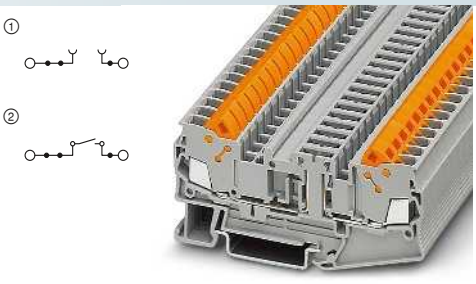
Dimensions				
	[mm]	Width	Length	Height
		6.2	62.6	39.3 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	800	0.5 - 2.5 / 20-14
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / - / 22.5 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTC 2,5**	①	**3206416**	50
	blue	**QTC 2,5 BU**	①	**3206429**	50
Knife disconnect terminal block	gray				
Ground terminal	green-yellow	**QTC 2,5-PE**	②	**3206432**	50

Accessories1)

Cover, width 2.2 mm	gray	**D-QTC 2,5**	**3206568**	50



20 A, disconnect terminal block

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	82.5	39.3 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20²)	400²)	0.5 - 2.5 / 20-14
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400²)	300	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	15 / -	15 / - / -

Ordering data

Type		Order No.	Pcs. / Pkt.
QTC 2,5-TG	①	**3206490**	50
QTC 2,5-MT	②	**3206487**	50

Accessories1)

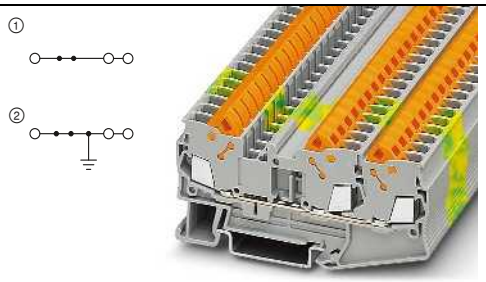
D-QTC 2,5-TWIN		**3206571**	50

Multi-conductor terminal blocks

Notes:

1) For additional accessories and technical data, see page 220.

For information on installation and using accessories for Ex applications, see page 602.



24 A, feed-through terminal block, 3 connections

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data1)

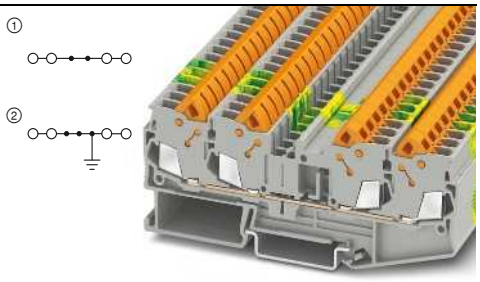
Dimensions				
	[mm]	Width	Length	Height
		6.2	82.5	39.3 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	800	0.5 - 2.5 / 20-14
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / - / 22.5 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTC 2,5-TWIN**	①	**3206445**	50
	blue	**QTC 2,5-TWIN BU**	①	**3206461**	50
Terminal block, for mounting on NS 35...	green-yellow	**QTC 2,5-TWIN-PE**	②	**3206474**	50

Accessories1)

Cover, width 2.2 mm	gray	**D-QTC 2,5-TWIN**	**3206571**	50



24 A, feed-through terminal block, 4 connections

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	102.4	39.3 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	800	0.5 - 2.5 / -
Max. bridge current	[A]	24 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	-	- / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	- / -

Ordering data

Type		Order No.	Pcs. / Pkt.
QTC 2,5-QUATTRO	①	**3206446**	50
QTC 2,5-QUATTRO BU	①	**3206447**	50
QTC 2,5-QUATTRO-PE	②	**3206448**	50

Accessories1)

D-QTC 2,5-QUATTRO		**3206449**	50

2.5 mm² QT... fast connection terminal blocks

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

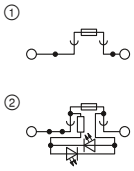
Notes:

[1]) For additional accessories and technical data, see page 220.

[2]) If the fuse is faulty, the downstream circuit is not off load.

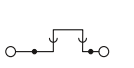
[3]) For max. power dissipation, see page 616.

[4]) The current is determined by the fuse used, the voltage by the light indicator.





6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses





20 A, lever-type disconnect terminal block, same shape

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**82.5**	**64.9 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		6.3[3])	**500[4])**	**0.5 - 2.5**	**20-14**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500[4])	300	300	-
Nominal current / cross section	[A] / [mm²]	6.3 / 1.5	15 / -	10 / -	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**82.5**	**64.9 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**500**	**0.5 - 2.5**	**20-14**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	15 / -	15 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Fuse terminal block	black	**QTC 2,5-HESI (5X20)**	①	**3050293**	50
With LED for 12 – 30 V AC/DC, 0.31 – 0.95 mA²)	black	**QTC 2,5-HESILED 24 (5X20)**	②	**3050374**	50
for 30 – 60 V AC/DC, 0.40 – 0.86 mA²)	black	**QTC 2,5 HESILED 60 (5X20)**	②	**3050390**	50
110 – 250 V AC/DC, 0.41 – 0.96 mA²)	black	**QTC 2,5-HESILA 250 (5X20)**	②	**3050387**	50
Lever-type disconnect terminal block, same shape	black/orange				

Ordering data

Type		Order No.	Pcs. / Pkt.
QTC 2,5-HEDI	①	**3206678**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-QTC 2,5-TWIN**	**3206571**	50

Accessories[1])

D-QTC 2,5-TWIN	**3206571**	50

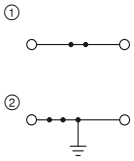
Hybrid terminal blocks with screw connection on one side, 4 (6) mm²

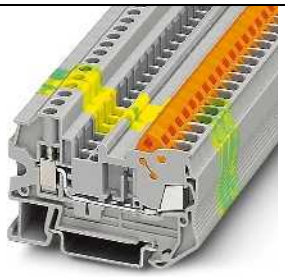
Notes:

[1]) For additional accessories and technical data, see page 220.

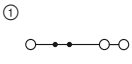
[2]) For screw connection rated data, visit phoenixcontact.net/products

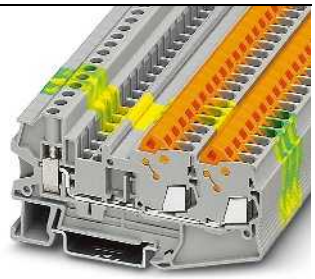
For information on installation and using accessories for Ex applications, see page 602.





24 A, feed-through terminal block





24 A, feed-through terminal block, 3 connections

Ex:

KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**62.6**	**42.8 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**800**	**0.5 - 2.5**	**20-14**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	22 / 2.5

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**82.5**	**42.8 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**800**	**0.5 - 2.5**	**20-14**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	22 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTCU 2,5**	①	**3206539**	50
	blue	**QTCU 2,5 BU**	①	**3206542**	50
Ground terminal	green-yellow	**QTCU 2,5-PE**	②	**3206555**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
QTCU 2,5-TWIN	①	**3050303**	50
QTCU 2,5-TWIN BU	①	**3050316**	50
QTCU 2,5-TWIN-PE	②	**3050329**	50

Accessories[1])

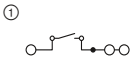
Cover, width 2.2 mm	gray	**D-QTCU 2,5**	**3206597**	50

Accessories[1])

D-QTCU 2,5 TWIN	**3050510**	50

Hybrid disconnect terminal block with screw connection on one side, 4 (6) mm²

Notes:
1) For additional accessories and technical data, see page 220.
2) For screw connection rated data, visit phoenixcontact.net/products

① 



20 A, knife disconnect terminal block, 3 connections

EAC GL

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**79.3**	**42.8 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**400**	**0.5 - 2.5** / **-**
Max. bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data[2])		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	-	- / -

Ordering data

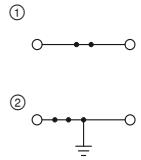
Description	Color	Type		Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	**QTCU 2,5-TWIN-MT**	①	**3050304**	50
	blue	**QTCU 2,5-TWIN-MT BU**	①	**3050317**	50

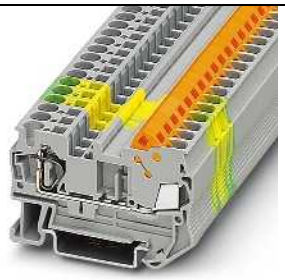
Accessories[1])

Cover, width 2.2 mm	gray	**D-QTCU 2,5-TWIN-MT**	**3050511**	50

Hybrid terminal blocks with spring-cage connection on one side, 4 (6) mm²

Notes:
1) For additional accessories and technical data, see page 220.
2) For spring-cage connection rated data, see page 186.
For information on installation and using accessories for Ex applications, see page 602.

① ② 



24 A, feed-through terminal block

cULus EAC ABS GL ClassNK
Ex:
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data[1])

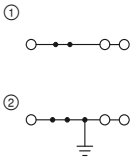
Dimensions				
	[mm]	Width	Length	Height
		6.2	**59.7**	**39.3 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**800**	**0.5 - 2.5** / **20-14**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data[2])		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	- / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	- / 22.5 / 2.5

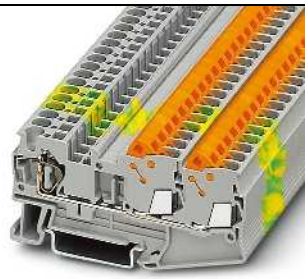
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**QTCS 2,5**	①	**3206500**	50
	blue	**QTCS 2,5 BU**	①	**3206513**	50
Ground terminal	green-yellow	**QTCS 2,5-PE**	②	**3206526**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-QTCS 2,5**	**3206584**	50

① ② 



24 A, feed-through terminal block, 3 connections

cULus EAC ABS GL ClassNK
Ex:
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data[1])

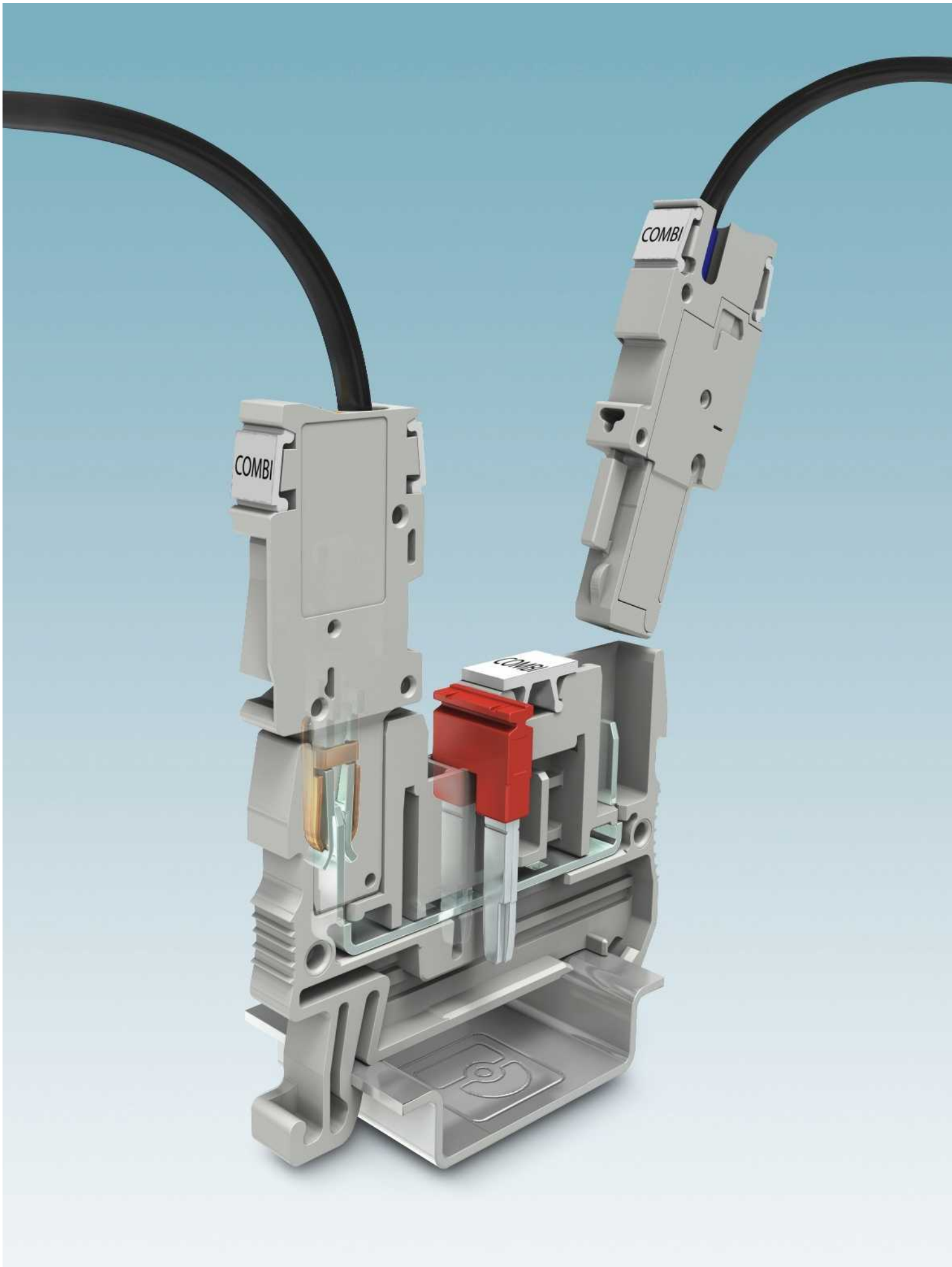
Width	Length	Height	
6.2	**79.6**	**39.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**800**	**0.5 - 2.5**	**20-14**
32 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	-	550
24 / 2.5	15 / -	-	22.5 / 2.5

Ordering data

Type		Order No.	Pcs. / Pkt.
QTCS 2,5-TWIN	①	**3050332**	50
QTCS 2,5-TWIN BU	①	**3050345**	50
QTCS 2,5-TWIN-PE	②	**3050358**	50

Accessories[1])

D-QTCS 2,5 TWIN	**3050523**	50


COMBI
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COMBI plug-in connection solutions

The COMBI plug-in system enables the time-saving and modular configuration of your application. Its distinguishing feature is its standardized plug-in zone. This makes it possible to freely combine basic terminal blocks, which are available with screw, push-in, spring-cage, and fast connection technology.

The nominal data of up to 41 A and 1000 V has made a plug-in system for signal and power wiring possible. The system meets the most stringent of vibration requirements. Both the terminal blocks and the connectors are touch proof.

In addition, all connectors can be individually assembled, i.e., they can be adapted to match the required number of positions in each application. The COMBI plug-in system can be combined with the CES cable entry system (see Catalog 4) by routing the pre-assembled cables with a high degree of protection (IP54) into control cabinets and housing in a manner that saves space. This produces a quick and low-cost alternative to using heavy-duty connectors.

Product range overview

2.5 mm² screw connection
Terminal blocks **235**
Headers **237**
Connectors **238**

4 mm² screw connection
Terminal blocks **241**
Test disconnect terminal blocks **243**
Headers **245**
Connectors **247**

6 mm² screw connection
Terminal blocks **251**
Connectors **252**

1.5 mm² push-in connection
Terminal blocks **255**
Couplings **258**
Connectors **260**

2.5 mm² push-in connection
Terminal blocks **263**
Headers **267**
Connectors **268**

4 mm² push-in connection
Terminal blocks **271**
Headers **272**
Connectors **273**

6 mm² push-in connection
Terminal blocks **275**
Test disconnect terminal blocks **275**
Couplings **278**
Connectors **280**

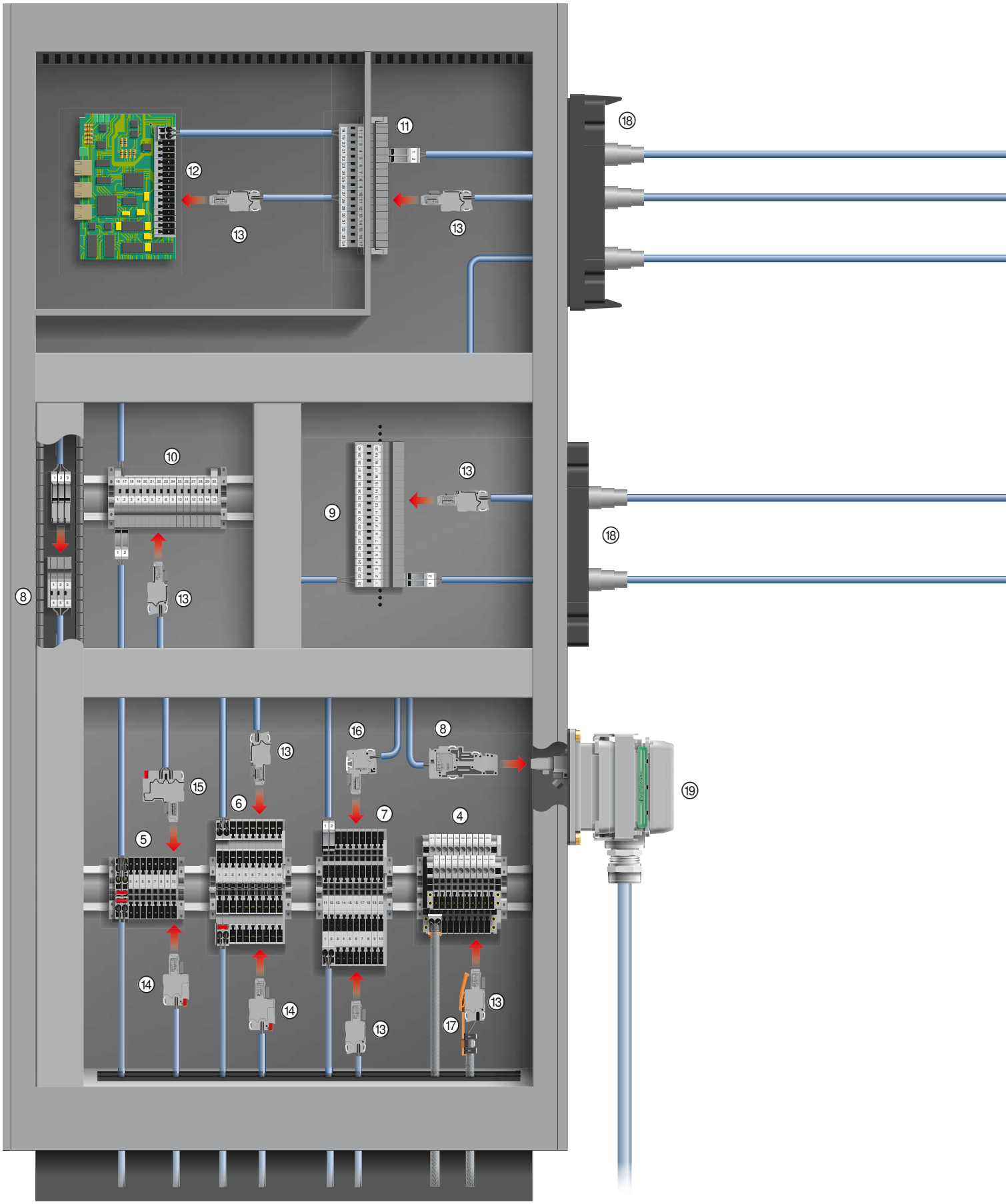
2.5 mm² spring-cage connection
Terminal blocks **283**
Couplings and headers **287**
Connectors **292**

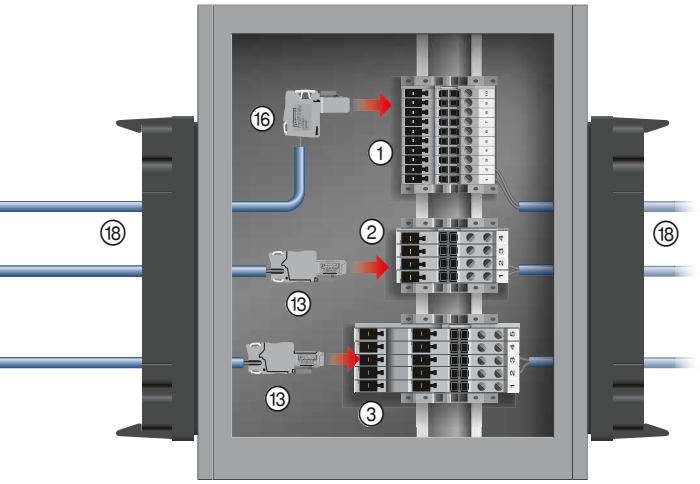
4 mm² spring-cage connection
Terminal blocks **299**
Couplings and headers **301**
Connectors **305**

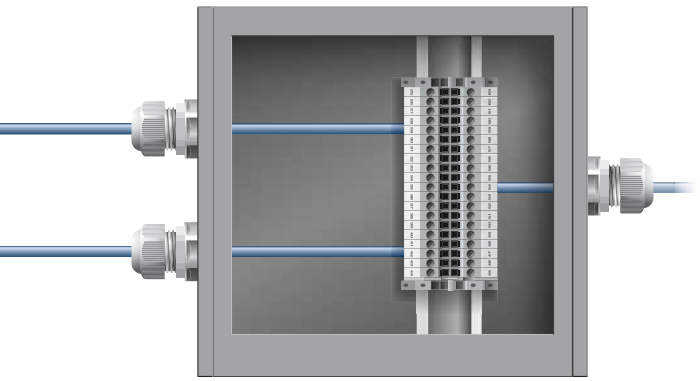
1.5 mm² fast connection
Terminal blocks **307**
Connectors **308**

Accessories **310**

Cabling options with the COMBI plug-in system







① Feed-through terminal blocks with one connector outlet
② Multi-conductor terminal blocks with one connector outlet
③ Multi-conductor terminal blocks with two connector outlets
④ Double-level terminal blocks with one connector outlet per level
⑤ PIN/PIN feed-through terminal blocks
⑥ PIN/PIN multi-conductor terminal blocks
⑦ PIN/PIN double-level terminal blocks
⑧ Couplings for free-hanging connections
⑨ Couplings with engagement pin for direct mounting
⑩ Couplings for DIN rail mounting
⑪ Coupling for panel feed-through
⑫ Base strip for the PCB connection
⑬ Connector with conductor exit in connector-in direction
⑭ Bridgeable connector with conductor exit in connector-in direction
⑮ Bridgeable two-conductor connector with conductor exit in connector-in direction
⑯ Connector with conductor exit perpendicular to connector-in direction
⑰ Optional snap-on plug accessories, e.g., latching with shield connection
⑱ CES cable entry system with IP54/65 protection, see Catalog 4
⑲ DUPLICON IP67 heavy-duty connector, see Catalog 4

From the control cabinet to a complete system - it is impossible to imagine today's applications without plug-in solutions. It is here that the COMBI plug-in system offers users unlimited flexibility. From supplying the control cabinet and the power and control components, right up to the quick installation of distributed system parts, the COMBI plug-in system always delivers the perfect solution.

The advantages of this system are numerous. Plug-in components within the control cabinet can be both installed and uninstalled quickly and easily. The plug-in ring feeders guarantee the safe supply of power between the control cabinets. Free-hanging couplings are not only suitable for wiring in the smallest of spaces; they can also be used to lengthen pre-assembled cables without any problems.

The COMBI base strips enable the plug-in wiring of electronic devices or components.

The CES cable entry systems allow users to route up to 40 pre-assembled connector into the control cabinet while maintaining degree of protection IP54/65. In the case of increased requirements, such as a degree of protection of up to IP67 or connecting control cabinets in harsh industrial environments, the DUPLICON is the ideal connection component.

The flexible and varied possibilities offered by the COMBI system's standardized plug-in zone have won over some well-known companies. Rittal has opted for the COMBI system and has integrated the plug-in zone into the new RILine 60 device adapter.

COMBI plug-in connection solutions

Terminal block cross-reference list – plugs

Plug

Terminal block		UT screw connection				PT push-in connection	
		UPBV 2,5... Page 238	UPBV 4... Page 247	UP 4... Page 248	UP 6... Page 252	PP-H 1,5/S Page 260	PP-H 2,5 Page 268
Feed-through terminal blocks							
UT 2,5/1P	Page 235	■					■
UT 4/1P, UT 4/ 1P-H	Page 241		■	■			
UT 6/1P	Page 251				■		
PT 1,5/S/1P / MPT 1,5/S/1P	Page 255					■	
PT 2,5/1P, ST 2,5/1P	Page 263	■					■
PT 4/1P, ST 4/1P	Page 271		■	■			
PT 6/1P	Page 275				■		
QTC 1,5/1P	Page 307	■					■
Feed-through terminal blocks, three connections							
UT 2,5-TWIN/1P	Page 235	■					■
UT 4-TWIN/1P	Page 241		■	■			
PT 1,5/S-TWIN/1P	Page 255					■	
PT 2,5-TWIN/1P, ST 2,5-TWIN/1P	Page 263	■					■
Knife disconnect terminal blocks							
ST 2,5-TWIN-MT/1P	Page 284	■					■
ST 2,5-TWIN-TG/1P	Page 284	■					■
Feed-through terminal blocks, four connections							
UT 4-QUATTRO/2P	Page 241		[1]	■			
UT 6-QUATTRO/2P	Page 251				■		
PT 1,5/S-QUATTRO/2P	Page 255					■	
PT 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P	Page 263	[1]					■
PT 6-QUATTRO/2P	Page 275				■		
ST 4-QUATTRO/2P	Page 299		[1]	■			
ST 4-QUATTRO/4CP	Page 300		[1]	[1]			
Feed-through terminal blocks, six connections							
PT 2,5-HEXA/3P	Page 263	[1]					■
Double-level terminal blocks							
UTTB 2,5/2P	Page 235	■					■
PTTB 1,5/S/2P	Page 255					■	
PTTB 2,5/2P, PTTBS 2,5-TWIN/2P	Page 264	■					■
STTB 2,5/2P	Page 283	■					■
QTTCB 1,5/2P	Page 307	■					■
PIN-PIN versions							
ST 2,5/2P	Page 236	■					■
ST 4/2P	Page 242		■	■			
ST 2,5-QUATTRO/4P	Page 265	[1]					■
STTB 2,5/4P	Page 236	■					■

[1]) Can only be used on the external connection pin of the basic terminal block.
[2]) Can only be used on the internal connection pin of the basic terminal block.
[3]) Can only be used on one side of the basic terminal block.

		ST spring-cage connection						QT fast connection	CP crimp connection
PP-H 4 Page 273	PP-H 6 Page 280	SP 2,5... Page 292	SP-H 2,5... Page 293	SPV 2,5... Page 294	SP 4... Page 305	SPB 2,5... Page 295	SPDB 2,5... Page 296	QP 1,5 Page 308	CP 4/6 Page 315
									

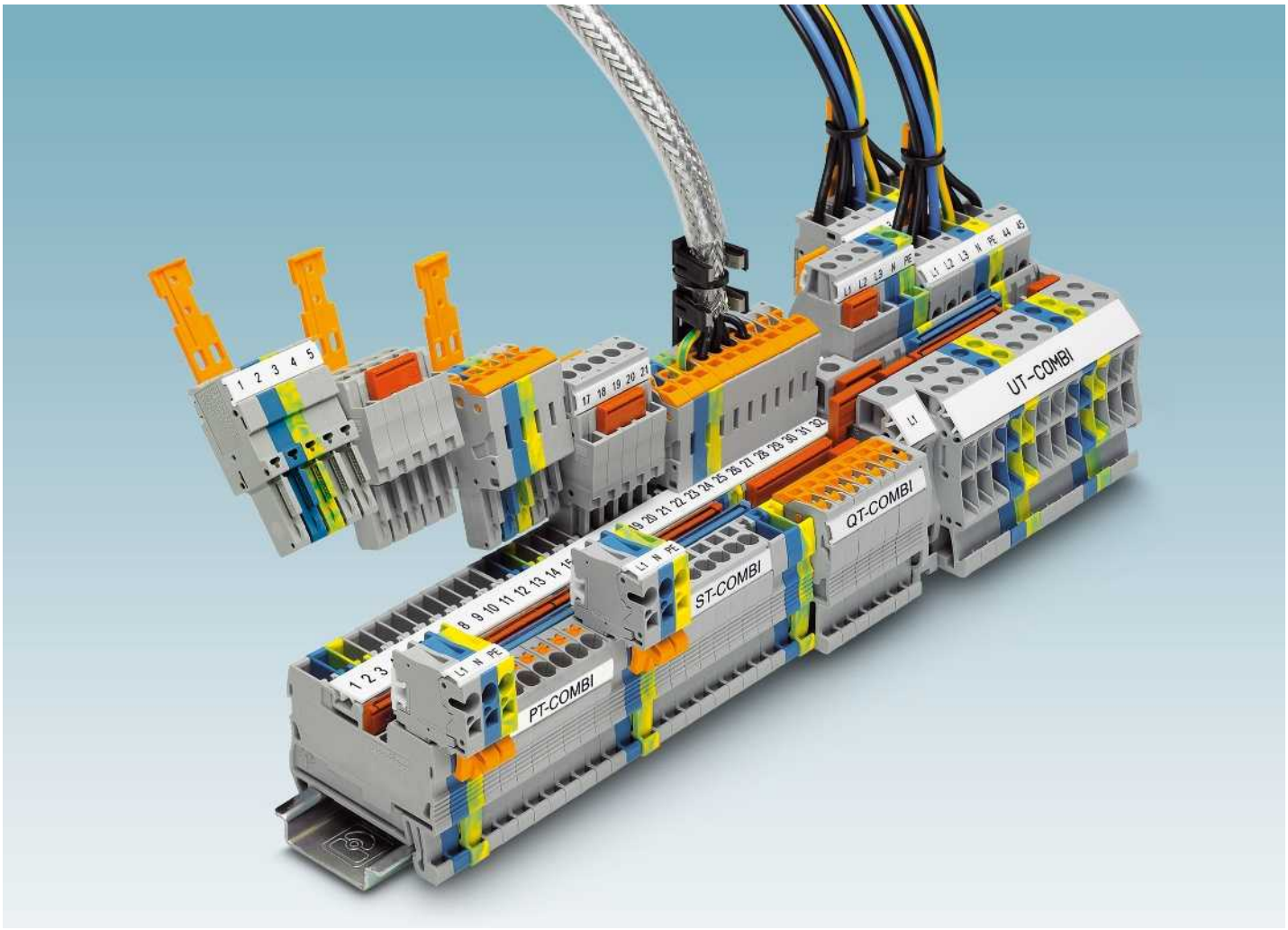
COMBI plug-in connection solutions

Terminal block cross-reference list – couplings

Coupling

Terminal block		UT screw connection				PT push-in connection	
		UPBV 2,5... Page 238	UPBV 4... Page 247	UP 4... Page 248	UP 6... Page 252	PP-H 1,5/S Page 260	PP-H 2,5 Page 268
							
Couplings							
PPC 1,5/S	Page 258					■	
PPC 6/...	Page 278				■		
SC 2,5/...	Page 287	■					■
SC 4/...	Page 301		■	■			
Couplings with securing pin							
SC 2,5-RZ/...	Page 288	■					■
SC 4-RZ/...	Page 302		■	■			
Couplings with snap-on foot							
PPC 1,5/S-NS/1-L	Page 259					■	
PPC 6-NS/1-L	Page 278				■		
SC 2,5-NS/1-L	Page 290	■					■
SC 4-NS/1-L	Page 303		■	■			
Base strip for PCB connection							
ST 2,5-PCB/...G-5,2	Page 237	■					■
ST 4-PCB/...G-6,2	Page 245		■	■			
ST 2,5-PCBV/...G-5,2	Page 237	■					■
ST 4-PCB/...G-6,2	Page 245		■	■			■

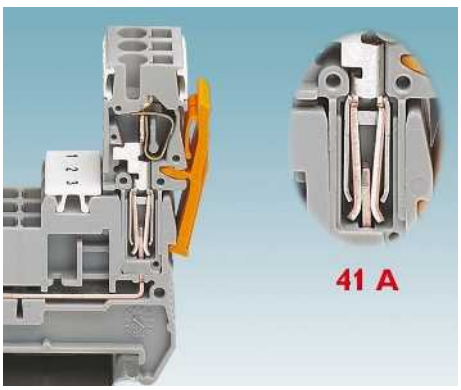
		ST spring-cage connection						QT fast connection	CP crimp connection
PP-H 4 Page 273	PP-H 6 Page 280	SP 2,5... Page 292	SP-H 2,5... Page 293	SPV 2,5... Page 294	SP 4... Page 305	SPB 2,5... Page 295	SPDB 2,5... Page 296	QP 1,5 Page 308	CP 4/6 Page 315
									
	■	■	■	■		■	■	■	
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■					■				





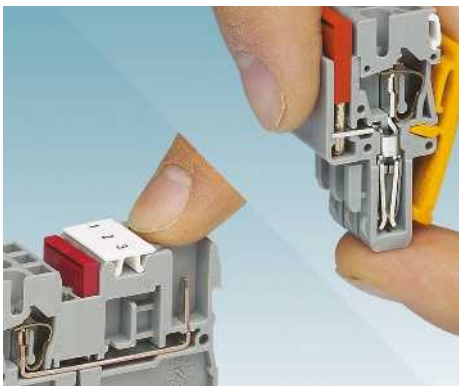
Flexible and plug-in capable

The COMBI family offers a free choice of connection methods. The standardized COMBI plug-in zone allows terminal blocks and plugs to be combined to suit the application regardless of connection method.



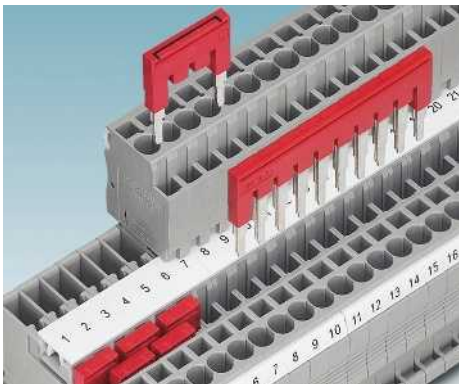
Powerful contact

The COMBI plug-in system enables a plug-in wiring solution up to a nominal current of 41 A and a nominal voltage of 1000 V to be implemented. The contact system features an integrated covering spring so that it can withstand extreme vibration levels.

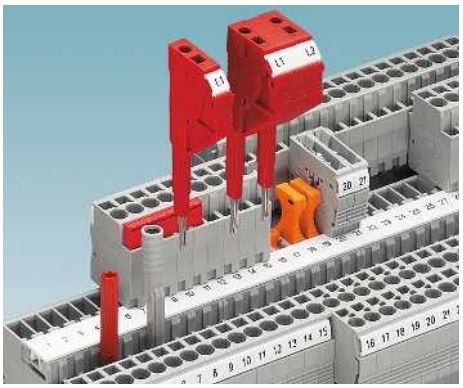


Touch proof

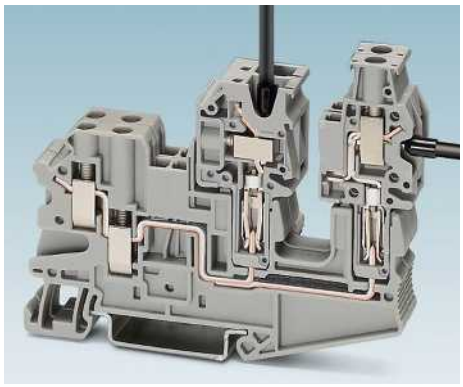
The COMBI system offers the highest levels of protection for users, as both the basic terminal blocks and the connectors are touch proof. Alongside the safety aspect, this offers great flexibility for configuration work: the supply may be routed via the terminal blocks or the connectors.



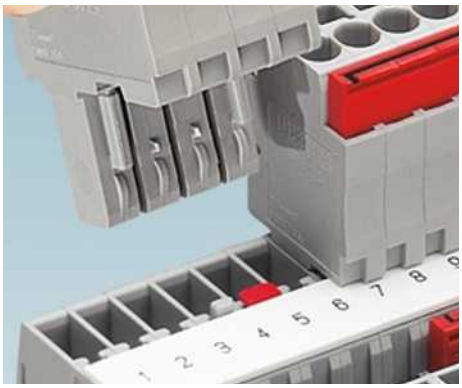
The standardized bridge system enables up to 50 terminal blocks to be connected with one bridge in an efficient manner suited to the application. A jumping bridge can be created by removing individual forks.



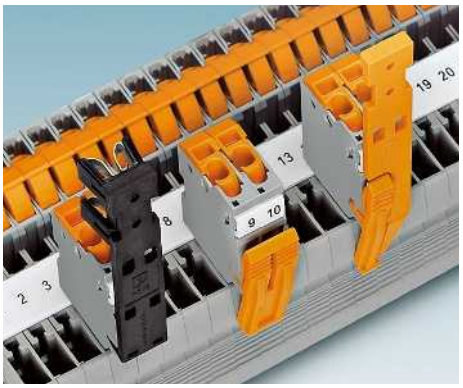
A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



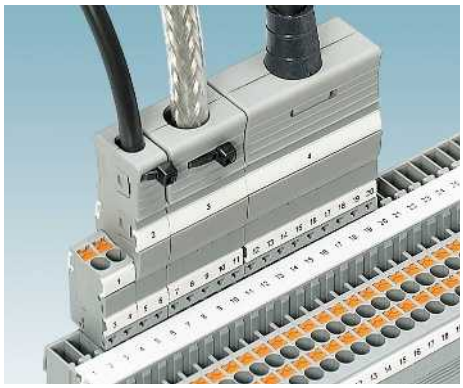
Connectors with different conductor output directions (to the side or upwards) allow for practical, efficient wiring. This results in great flexibility as required in various areas of application.



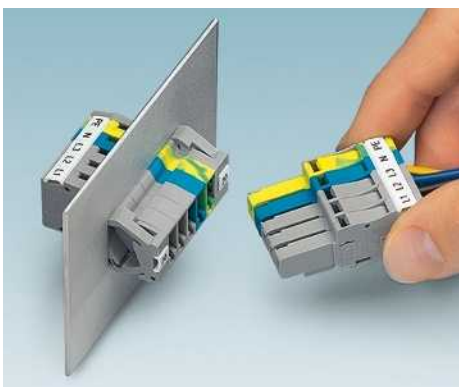
The simple and individual coding option increases wiring reliability and also protects against incorrect connecting. To do this, the pin must be released from the connector, turned and inserted in the basic terminal block.



Snap-on strain relief is available if required to relieve the strain on cables at the connectors. Latching is also available and can be used to permanently fix connectors to basic terminal blocks.



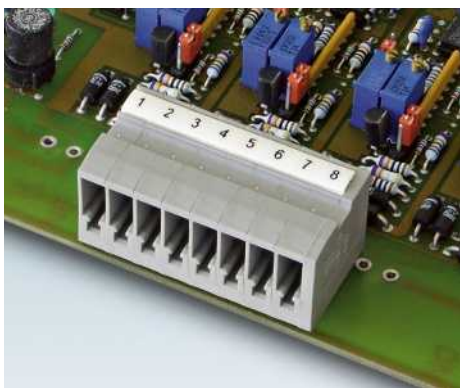
The cable housings are used for robust strain relief. These housings are split in two, making them easy to fit and safe to latch onto the COMBI connectors provided. Bend protection sleeves and shield connections are available as accessories.



Panel feed-throughs can be produced efficiently by simply snapping the SSL panel feed-through onto the standard coupling. The panel feed-through is slid into the cut-out and automatically latches into place.



A coupling version which can be fitted on rails offers a solution for applications with a low build height. The integrated duo foot allows for mounting on both NS 15 and NS 35 DIN rails.



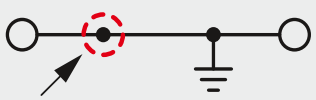
The COMBI base strip is a modular PCB connection. Universal plug-in solutions from the DIN rail through to the device can therefore be implemented with the same connector.

2.5 mm² COMBI UT plug-in connection solutions

General technical data for 2.5 mm² COMBI UT screw connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	9			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

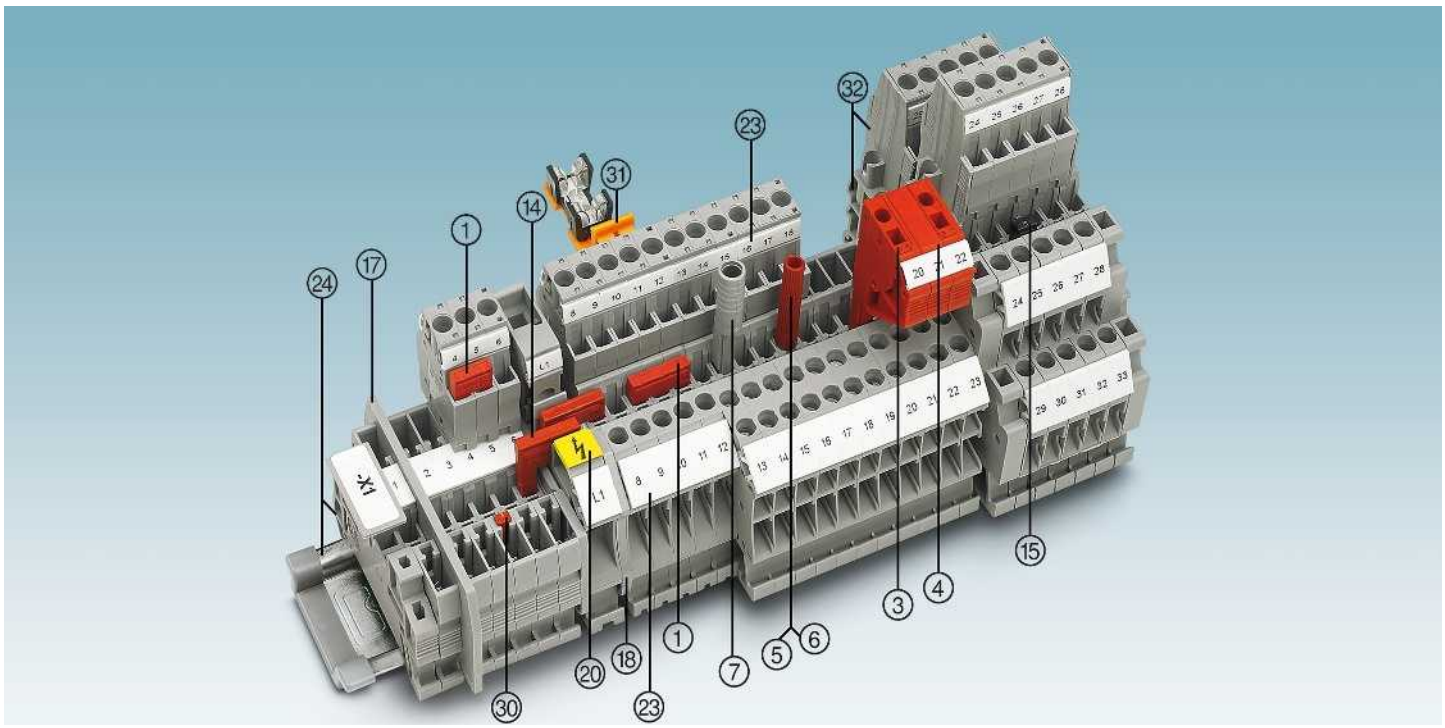


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 2.5 mm² COMBI UT screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-5**	**3030161**	50	**FBSR 2-5**	**3033702**	50
	3	red	**FBS 3-5**	**3030174**	50	**FBSR 3-5**	**3001591**	50
	4	red	**FBS 4-5**	**3030187**	50	**FBSR 4-5**	**3001592**	50
	5	red	**FBS 5-5**	**3030190**	50	**FBSR 5-5**	**3001593**	50
	10	red	**FBS 10-5**	**3030213**	10	**FBSR 10-5**	**3033710**	10
	20	red	**FBS 20-5**	**3030226**	10			
③ **Modular test plug**		red	**PS-5**	**3030983**	10			
④ **Spacer plate**		red	**DP PS-5**	**3036725**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
㉚ **Coding profile**		red	**PC**	**3040588**	50			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS-PV ..., see page 341.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉓ **Lateral groove marking**	**Terminal block: UC-TM 5, UCT-TM 5 or ZB 5. Plug: UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉛ **Latching, strain relief, shielding**	**See page 312 onwards.**
㉜ **Screw flanges, screw flange cover**	**See page 320 onwards.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

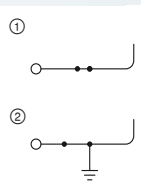
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

1) For additional accessories and technical data, see page 234.

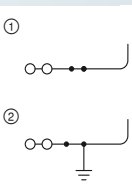
2) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 320.





24 A, feed-through terminal block





24 A, feed-through terminal block, 3 connections

Technical data[1]			
Dimensions			
Width	Length	Height	
5.2	**49.1**	**47.5 (NS 35/7,5)**	
[mm]			
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-
Connection capacity			
solid	stranded	Ferrule without/with plastic sleeve	
2 conductors (of the same type) [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 2,5/1P** ①	**3045017**	50
	blue	**UT 2,5/1P BU** ①	**3045020**	50
Ground terminal	green-yellow	**UT 2,5/1P-PE** ②	**3045033**	50

Accessories[1]			
Cover, width 2.2 mm	gray	**D-UT 2,5/1P**	**3047154**	50

Technical data[1]			
Dimensions			
Width	Length	Height	
5.2	**55.7**	**47.5 (NS 35/7,5)**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	-	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	-	-
Connection capacity			
solid	stranded	Ferrule without/with plastic sleeve	
2 conductors (of the same type) [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	**UT 2,5-TWIN/1P** ①	**3060490**	50
	blue	**UT 2,5-TWIN/1P BU** ①	**3060500**	50
Ground terminal	green-yellow	**UT 2,5-TWIN/1P-PE** ②	**3060513**	50

Accessories[1]			
Cover, width 2.2 mm	gray	**D-UT 4-TWIN/ 1P**	**3045237**	50

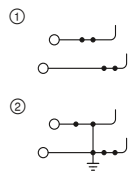
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

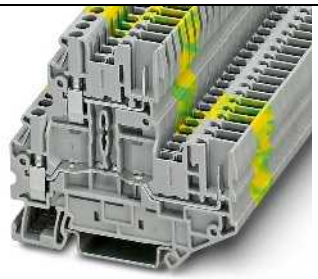
Notes:

1) For additional accessories and technical data, see page 234.

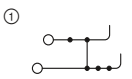
2) For derating curve, visit phoenixcontact.net/products

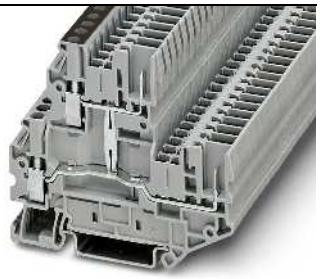
For screw flange, see page 320.





24 A, feed-through terminal block





24 A, double-level terminal block with equipotential bonder

Technical data[1]			
Dimensions			
Width	Length	Height	
5.2	**74.3**	**65 (NS 35/7,5)**	
[mm]			
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	-	-

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	**UTTB 2,5/2P** ①	**3060351**	50
	blue	**UTTB 2,5/2P BU** ①	**3060364**	50
	gray			
	blue			
Ground terminal	green-yellow	**UTTB 2,5/2P-PE** ②	**3060380**	50

Accessories[1]			
Cover, width 2.2 mm	gray	**D-UTTB 2,5/4 2P**	**3060393**	50

Technical data[1]			
Dimensions			
Width	Length	Height	
5.2	**74.3**	**65 (NS 35/7,5)**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	-	-

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
		UTTB 2,5/2P-PV ①	**3060377**	50
		UTTB 2,5/2P-PV BU ①	**3060487**	50

Accessories[1]			
D-UTTB 2,5/4 2P	**3060393**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

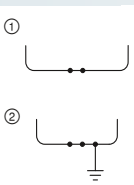
Notes:

[1]) For additional accessories and technical data, see page 234.

[2]) For derating curve, visit phoenixcontact.net/products

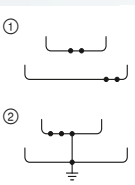
For screw flange, see page 320.

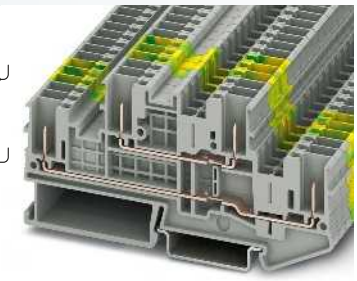
For self-locking flange, see page 319.





24 A, feed-through terminal block





22 A, double-level terminal block

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**49.1**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5

Description	Color	Ordering data Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5/2P**	①	**3042133**	50
	blue	**ST 2,5/2P BU**	①	**3042094**	50
Ground terminal	green-yellow	**ST 2,5/2P-PE**	②	**3042146**	50

Accessories[1])			
Cover, width 2.2 mm	gray	**D-ST 2,5**	**3030417**	50

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22[2])	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	22[2]) / 2.5	20 / -	20 / -	-
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5

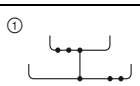
Description	Color	Ordering data Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STTB 2,5/4P**	①	**3061486**	50
		STTB 2,5/4P BU	①	**3061512**	50
		STTB 2,5/4P-PE	②	**3061499**	50

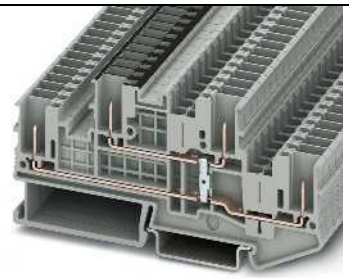
Accessories[1])			
Cover, width 2.2 mm	gray	**D-STTB 2,5/4P**	**3061538**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 234.





22 A, double-level terminal block with equipotential bonding

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / -	-
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5

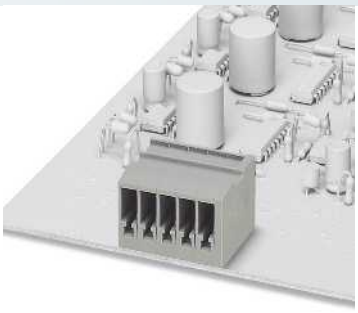
Description	Color	Ordering data Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STTB 2,5/4P-PV**	①	**3061509**	50

Accessories[1])			
Cover, width 2.2 mm		**D-STTB 2,5/4P**	**3061538**	50

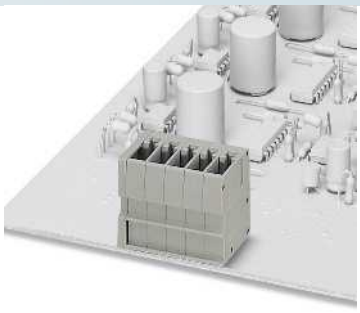
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



24 A, header, horizontal plug-in direction



24 A, header, vertical plug-in direction

Technical data

Dimensions		Width	Length	Height	
	[mm]	**10.4**	**-**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section	[mm²]	2.5			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height	
	[mm]	**10.4**	**-**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section	[mm²]	2.5			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI header	2	10.4 mm	gray	**ST 2,5-PCB/ 2-G-5,2**	**1980378**	50
	3	15.6 mm	gray	**ST 2,5-PCB/ 3-G-5,2**	**1980381**	50
	4	20.8 mm	gray	**ST 2,5-PCB/ 4-G-5,2**	**1980394**	50
	5	26 mm	gray	**ST 2,5-PCB/ 5-G-5,2**	**1980404**	50
	6	31.2 mm	gray	**ST 2,5-PCB/ 6-G-5,2**	**1980417**	50
	7	36.4 mm	gray	**ST 2,5-PCB/ 7-G-5,2**	**1980420**	50
	8	41.6 mm	gray	**ST 2,5-PCB/ 8-G-5,2**	**1980433**	50
	9	46.8 mm	gray	**ST 2,5-PCB/ 9-G-5,2**	**1980446**	50
	10	52 mm	gray	**ST 2,5-PCB/10-G-5,2**	**1980459**	50
	11	57.2 mm	gray	**ST 2,5-PCB/11-G-5,2**	**1980462**	50
	12	62.4 mm	gray	**ST 2,5-PCB/12-G-5,2**	**1980475**	50
COMBI header	2	10.4 mm	gray	**ST 2,5-PCBV/ 2-G-5,2**	**1980488**	50
	3	15.6 mm	gray	**ST 2,5-PCBV/ 3-G-5,2**	**1980491**	50
	4	20.8 mm	gray	**ST 2,5-PCBV/ 4-G-5,2**	**1980501**	50
	5	26 mm	gray	**ST 2,5-PCBV/ 5-G-5,2**	**1980514**	50
	6	31.2 mm	gray	**ST 2,5-PCBV/ 6-G-5,2**	**1980527**	50
	7	36.4 mm	gray	**ST 2,5-PCBV/ 7-G-5,2**	**1980530**	50
	8	41.6 mm	gray	**ST 2,5-PCBV/ 8-G-5,2**	**1980543**	50
	9	46.8 mm	gray	**ST 2,5-PCBV/ 9-G-5,2**	**1980556**	50
	10	52 mm	gray	**ST 2,5-PCBV/10-G-5,2**	**1980569**	50
	11	57.2 mm	gray	**ST 2,5-PCBV/11-G-5,2**	**1980572**	50
	12	62.4 mm	gray	**ST 2,5-PCBV/12-G-5,2**	**1980585**	50

2.5 mm² COMBI UT plug-in connection solutions

COMBI connectors



- Just like the basic terminal blocks, the connectors also offer the right connection method for every application
- Extensive, optional snap-on accessories available
- Practical coding facility
- Large marking option
- The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions

UPBV... plugs

- Bridgeable with the FBS... standard bridges
- Side conductor connection
- Screw actuation from above
- The connected conductors can be passed directly into the cable duct to save space

Notes:

[1]) For additional accessories and technical data, see page 234.

[2]) For derating curve, visit phoenixcontact.net/products

①



24 A, connector, connection at a right angle to the plug-in direction

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Connection capacity	
2 stranded conductors with a TWIN ferrule	[mm²]

Technical data[1])

Width	Length	Height	Height when plugged in
5.2 x Number of positions	**20.5**	**47**	**32.2**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	-	-
24[2]) / 2.5	20 / -	-	-
solid	stranded	Ferrule without/with plastic sleeve	
-	-	-	0.5 - 1

Description	No. of pos.	Width	Color
Connector	1	5.2 mm	gray
	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	13	67.6 mm	gray
	14	72.8 mm	gray
	15	78 mm	gray
	1	5.2 mm	blue
	1	5.2 mm	green-yellow

Ordering data

Type		Order No.	Pcs. / Pkt.
UPBV 2,5/ 1	①	**3045145**	50
UPBV 2,5/ 2	①	**3045402**	50
UPBV 2,5/ 3	①	**3045415**	50
UPBV 2,5/ 4	①	**3045428**	50
UPBV 2,5/ 5	①	**3045431**	50
UPBV 2,5/ 6	①	**3045444**	25
UPBV 2,5/ 7	①	**3045457**	25
UPBV 2,5/ 8	①	**3045460**	25
UPBV 2,5/ 9	①	**3045473**	25
UPBV 2,5/10	①	**3045499**	25
UPBV 2,5/11	①	**3045509**	10
UPBV 2,5/12	①	**3045512**	10
UPBV 2,5/13	①	**3045525**	10
UPBV 2,5/14	①	**3045538**	10
UPBV 2,5/15	①	**3045541**	10
UPBV 2,5/ 1 BU	①	**3045240**	50
UPBV 2,5/ 1 GNYE	①	**3045253**	50

Accessories[1])

Strain relief, for UPBV... connectors, 2-pos.	black	**UPZ/ 2**	**3045554**	50
Latching, for UPBV... connectors, 2-pos.	orange	**UPR/ 2**	**3045567**	50
Latching and strain relief, for UPBV.... connectors, 2-pos.	orange	**UPRZ**	**3045570**	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	gray	**DF-UPBV 2,5/ 4**	**3060432**	50

COMBI connectors for self-assembly

Notes:
1) For additional accessories and technical data, see page 234.
2) For derating curve, visit phoenixcontact.net/products





24 A, connector, connection at a right angle to the plug-in direction

Technical data[1])

Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x Number of positions**	**20.5**	**47**	**32.2**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.14 - 4**	**26-12**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
Connector, left element	1	gray	**UPBV 2,5/ 1-L**	1	**3045318**	50
	1	blue	**UPBV 2,5/ 1-L BU**	1	**3045321**	50
	1	green-yellow	**UPBV 2,5/ 1-L GNYE**	1	**3045334**	50
Connector, center element	1	gray	**UPBV 2,5/ 1-M**	1	**3045347**	50
	1	blue	**UPBV 2,5/ 1-M BU**	1	**3045350**	50
	1	green-yellow	**UPBV 2,5/ 1-M GNYE**	1	**3045363**	50
Connector, right element	1	gray	**UPBV 2,5/ 1-R**	1	**3045376**	50
	1	blue	**UPBV 2,5/ 1-R BU**	1	**3045389**	50
	1	green-yellow	**UPBV 2,5/ 1-R GNYE**	1	**3045392**	50

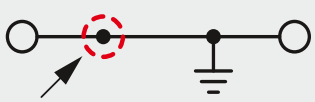
Accessories[1])

Strain relief, for UPBV... connectors, 2-pos.	black	**UPZ/ 2**	**3045554**	50
Latching, for UPBV... connectors, 2-pos.	orange	**UPR/ 2**	**3045567**	50
Latching and strain relief, for UPBV... connectors, 2-pos.	orange	**UPRZ**	**3045570**	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	gray	**DF-UPBV 2,5/ 4**	**3060432**	50

General technical data for 4 mm² COMBI UT screw connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm²]	4			
Cross section range	AWG	26 - 10			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	9			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

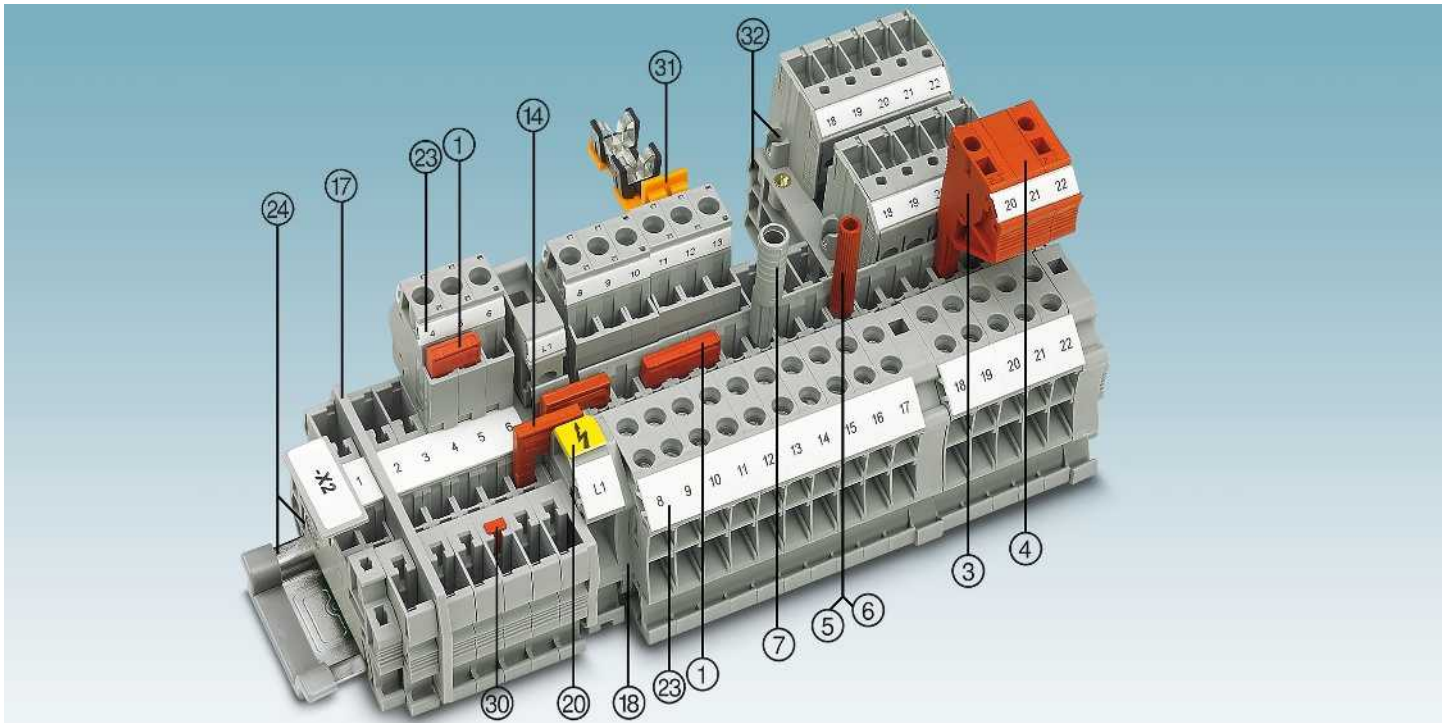


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 4 mm² COMBI UT screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-6**	**3030336**	50	**FBSR 2-6**	**3033715**	50
	3	red	**FBS 3-6**	**3030242**	50	**FBSR 3-6**	**3001594**	50
	4	red	**FBS 4-6**	**3030255**	50	**FBSR 4-6**	**3001595**	50
	5	red	**FBS 5-6**	**3030349**	50	**FBSR 5-6**	**3001596**	50
	10	red	**FBS 10-6**	**3030271**	10	**FBSR 10-6**	**3033716**	10
	20	red	**FBS 20-6**	**3030365**	10			
③ **Modular test plug**		red	**PS-6**	**3030996**	10			
④ **Spacer plate**		red	**DP PS-6**	**3036738**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
㉚ **Coding profile**		red	**PC**	**3040588**	50			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉓ **Lateral groove marking**	**Terminal block: UC-TM 6, UCT-TM 6 or ZB 6** **Plug: UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉛ **Latching, strain relief, shielding**	**See page 312 onwards.**
㉜ **Screw flanges, screw flange cover**	**See page 320 onwards.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

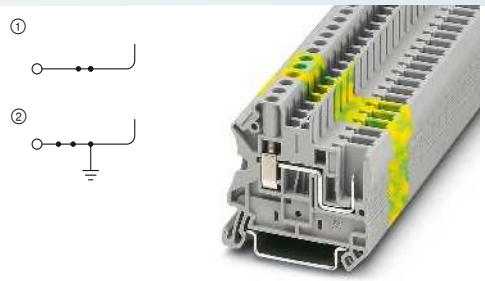
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

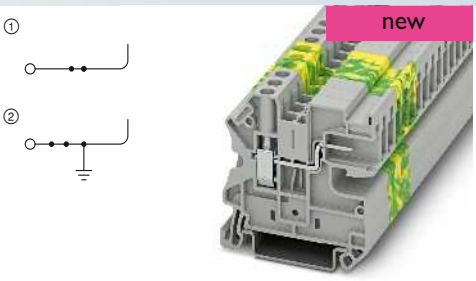
[1]) For additional accessories and technical data, see page 240.

[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 320.



32 A, feed-through terminal block



new

32 A, feed-through terminal block, horizontal plug-in connection

Technical data[1])			
Width	Length	Height	
6.2	**47.6**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.14 - 6**	**26-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	600	-
32[2]) / 4	30 / -	30 / -	-

Technical data[1])			
Width	Length	Height	
6.2	**49.8**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.14 - 6**	**-**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	-	-	-
32[2]) / 4	-	-	-

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
UT 4/ 1P	①	**3045583**	50
UT 4/ 1P BU	①	**3045596**	50
UT 4/ 1P-PE	②	**3045606**	50

Accessories[1])			
D-UT 2,5/1P		**3047154**	50

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
UT 4/ 1P-H	①	**3001369**	50
UT 4/ 1P-H-PE	②	**3001372**	50

Accessories[1])			
D-UT 4/1P-H		**3001382**	50

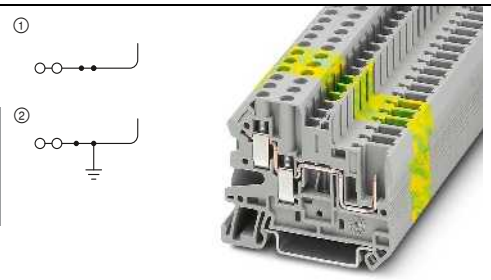
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

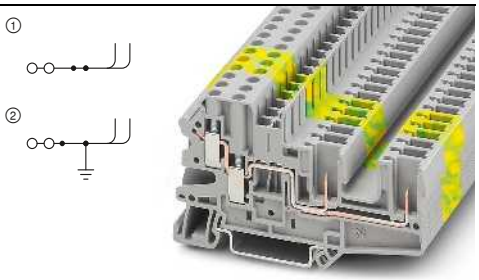
[1]) For additional accessories and technical data, see page 240.

[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 320.



32 A, feed-through terminal block, 3 connections



32 A, feed-through terminal block, 4 connections

Technical data[1])			
Width	Length	Height	
6.2	**55.7**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.14 - 6**	**26-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
32[2]) / 4	30 / -	30 / -	-
solid	stranded	Ferrule without/with plastic sleeve	
-	-	-	0.5 - 1

Technical data[1])			
Width	Length	Height	
6.2	**82.4**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.14 - 6**	**26-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
32[2]) / 4	30 / -	30 / -	-
solid	stranded	Ferrule without/with plastic sleeve	
-	-	-	0.5 - 1

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Connection capacity	
2 stranded conductors with a TWIN ferrule	[mm²]

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

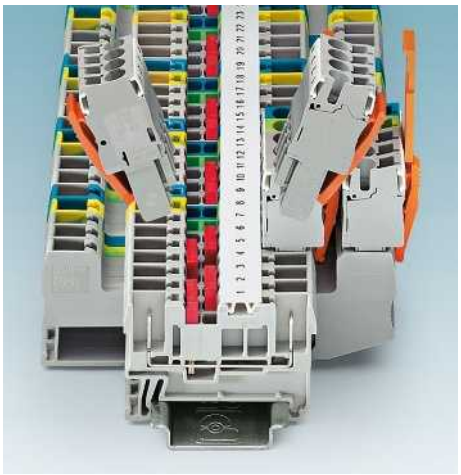
Ordering data			
Type		**Order No.**	Pcs. / Pkt.
UT 4-TWIN/ 1P	①	**3060267**	50
UT 4-TWIN/ 1P BU	①	**3060270**	50
UT 4-TWIN/ 1P-PE	②	**3060283**	50

Accessories[1])			
D-UT 4-TWIN/ 1P		**3045237**	50

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
UT 4-QUATTRO/ 2P	①	**3060296**	50
UT 4-QUATTRO/ 2P BU	①	**3060306**	50
UT 4-QUATTRO/ 2P-PE	②	**3060319**	50

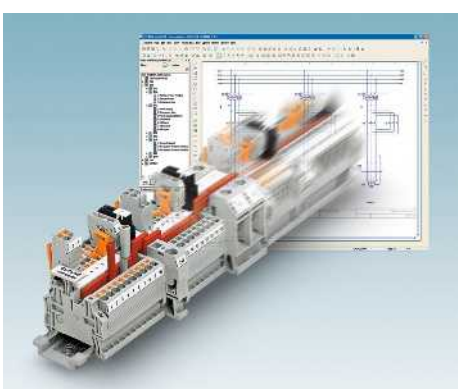
Accessories[1])			
D-UT 4-QUATTRO/ 2P		**3045648**	50

COMBI plug-in PIN/PIN double-level and ground terminals



- For the PIN/PIN versions of the COMBI series, connectors can be used on both sides of the terminal blocks
- This makes the COMBI system even more flexible as the terminal blocks are used as the connection element for modules
- Connection with standard COMBI connectors
- The extensive range of accessories, such as latching, strain relief, coding, and shield connection can be used
- Ground terminals with the same shape and pitch
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of IEC 60947-7-2 standard are met

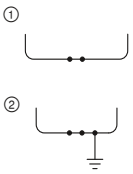
CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

[1]) For additional accessories and technical data, see page 240.

[2]) For derating curve, visit phoenixcontact.net/products





32 A, feed-through terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**55.9**	**36.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32[2])	**800**	**0.08 - 6** / **-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	-	- / -
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	-	- / -
Cross section range	AWG	28 - 10	-	- / -
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4 / 0.14 - 4
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

Ordering data

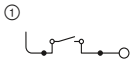
Type		Order No.	Pcs. / Pkt.
ST 4/ 2P	①	**3042735**	50
ST 4/ 2P BU	①	**3043789**	50
ST 4/ 2P-PE	②	**3042748**	50

Accessories[1])

D-ST 4		**3030420**	50

Test disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 240.
2) For derating curve, visit phoenixcontact.net/products





28 A, test disconnect terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**71.1**	**47.7 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28[2])	**500**	**0.14 - 6** / **26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	28[2]) / 4	25 / -	25 / -

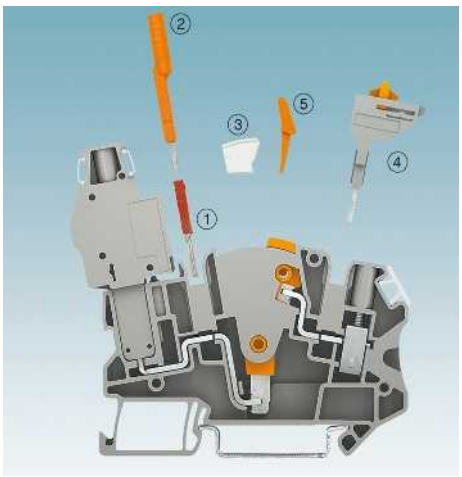
Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UTME 4/1P**	①	**3057416**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-UTME 4/1P**	**3057429**	10

Supplementary accessories for UTME 4/1P test disconnect terminal blocks



– Only two UTME 4/1P test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... jumper for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
④ SB-ME... switching jumper
⑤ C-ME 4/2 connection bridge

Ordering data

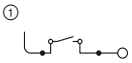
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	**PAI-4-FIX-5/6 OG**	**3035974**	10
	1	yellow	**PAI-4-FIX-5/6 YE**	**3035977**	10
	1	green	**PAI-4-FIX-5/6 GN**	**3035978**	10
	1	violet	**PAI-4-FIX-5/6 VT**	**3035979**	10
	1	black	**PAI-4-FIX-5/6 BK**	**3035980**	10
	1	blue	**PAI-4-FIX-5/6 BU**	**3035975**	10
	1	red	**PAI-4-FIX-5/6 RD**	**3035976**	10
	1	gray	**PAI-4-FIX-5/6 GY**	**3035982**	10
	1	brown	**PAI-4-FIX-5/6 BN**	**3035981**	10
Switching lock, plug-in		white	**S-ME 4**	**3035758**	10
Switching jumper, plug-in	2	gray/orange	**SB-ME 2-6**	**3035755**	10
	3	gray/orange	**SB-ME 3-6**	**3035756**	10
	4	gray/orange	**SB-ME 4-6**	**3035757**	10
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange	**C-ME 4/2**	**3035759**	10
	3	orange	**C-ME 4/3**	**3035760**	10

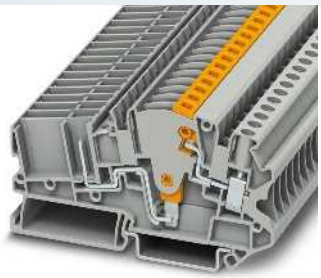
Test disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 240.

[2]) For derating curve, visit phoenixcontact.net/products

① 



28 A, current transformer disconnect terminal block

① 

② 



20 A, connector, with integrated short-circuit function

Technical data[1])			
Width	Length	Height	
6.2	**86.5**	**49.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
28	**500**	**0.14 - 6**	**26-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
28[2]) / 4	25 / -	25 / -	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
-	-	-	0.5 - 2.5

Technical data[1])			
Width	Length	Height	
12.4	**38.5**	**48.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**320**	**0.14 - 6**	**26-10**
-			
IEC	UL / CUL	CSA	Ex
320	300	300	-
20 / 4	25 / -	25 / -	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
-	-	-	0.5 - 1

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Connection capacity	
1 conductor	[mm²]
2 stranded conductors with a TWIN ferrule	[mm²]

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**UTME 4-CT/1P**	①	**3057432**	50
Connector, with integrated short-circuit function, 2-pos.	gray				
3-pos.	gray				

Accessories[1])

Cover, width 2.2 mm	gray	**D-UTME 4-CT/1P**	**3057445**	10

Ordering data

Type		Order No.	Pcs. / Pkt.
UPCT 4/2	①	**3057461**	10
UPCT 4/3	②	**3057458**	10

Accessories[1])

Supplementary accessories for UTME 4-CT/1P test disconnect terminal blocks



- Only two UTME 4-CT/1P test disconnect terminal blocks are required for a current transformer measuring circuit
- Less space required compared to creating circuits with slide-type terminal blocks

① FBS... jumper for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
④ SB-ME... switching jumper
⑤ C-ME 4/2 connection bridge
⑥ PC-CT 6... coding set

Notes:

[1]) The coding set can be used to code up to 30 connectors.

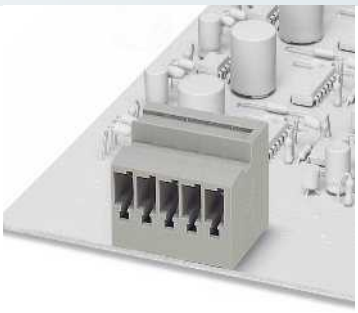
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	**PAI-4-FIX-5/6 OG**	**3035974**	10
	1	yellow	**PAI-4-FIX-5/6 YE**	**3035977**	10
	1	green	**PAI-4-FIX-5/6 GN**	**3035978**	10
	1	violet	**PAI-4-FIX-5/6 VT**	**3035979**	10
	1	black	**PAI-4-FIX-5/6 BK**	**3035980**	10
	1	blue	**PAI-4-FIX-5/6 BU**	**3035975**	10
	1	red	**PAI-4-FIX-5/6 RD**	**3035976**	10
	1	gray	**PAI-4-FIX-5/6 GY**	**3035982**	10
	1	brown	**PAI-4-FIX-5/6 BN**	**3035981**	10
Switching lock, plug-in		white	**S-ME 4**	**3035758**	10
Switching jumper, plug-in	2	gray/orange	**SB-ME 2-6**	**3035755**	10
	3	gray/orange	**SB-ME 3-6**	**3035756**	10
	4	gray/orange	**SB-ME 4-6**	**3035757**	10
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange	**C-ME 4/2**	**3035759**	10
	3	orange	**C-ME 4/3**	**3035760**	10
Coding set, for 2-pos. connectors[1])		red	**PC-CT 6/2**	**3212308**	1

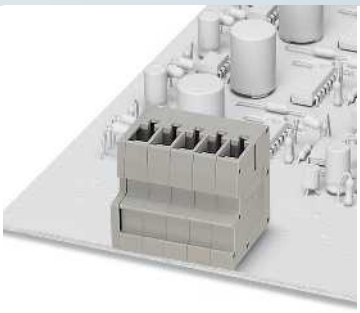
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



32 A, header, horizontal plug-in direction



32 A, header, vertical plug-in direction

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		12.4	**-**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**800**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI header	2	12.4 mm	gray	**ST 4-PCB/ 2-G-6,2**	**1980598**	50
	3	18.9 mm	gray	**ST 4-PCB/ 3-G-6,2**	**1980608**	50
	4	24.8 mm	gray	**ST 4-PCB/ 4-G-6,2**	**1980611**	50
	5	31 mm	gray	**ST 4-PCB/ 5-G-6,2**	**1980624**	50
	6	37.2 mm	gray	**ST 4-PCB/ 6-G-6,2**	**1980637**	50
	7	43.4 mm	gray	**ST 4-PCB/ 7-G-6,2**	**1980640**	50
	8	49.6 mm	gray	**ST 4-PCB/ 8-G-6,2**	**1980653**	50
	9	55.8 mm	gray	**ST 4-PCB/ 9-G-6,2**	**1980666**	50
	10	62 mm	gray	**ST 4-PCB/10-G-6,2**	**1980679**	50
	11	68.2 mm	gray	**ST 4-PCB/11-G-6,2**	**1980682**	50
	12	74.4 mm	gray	**ST 4-PCB/12-G-6,2**	**1980695**	50
COMBI header	2	12.4 mm	gray	**ST 4-PCBV/ 2-G-6,2**	**1980705**	50
	3	18.6 mm	gray	**ST 4-PCBV/ 3-G-6,2**	**1980718**	50
	4	24.8 mm	gray	**ST 4-PCBV/ 4-G-6,2**	**1980721**	50
	5	31 mm	gray	**ST 4-PCBV/ 5-G-6,2**	**1980734**	50
	6	37.2 mm	gray	**ST 4-PCBV/ 6-G-6,2**	**1980747**	50
	7	43.4 mm	gray	**ST 4-PCBV/ 7-G-6,2**	**1980750**	50
	8	49.6 mm	gray	**ST 4-PCBV/ 8-G-6,2**	**1980763**	50
	9	55.8 mm	gray	**ST 4-PCBV/ 9-G-6,2**	**1980776**	50
	10	62 mm	gray	**ST 4-PCBV/10-G-6,2**	**1980789**	50
	11	68.2 mm	gray	**ST 4-PCBV/11-G-6,2**	**1980792**	50
	12	74.4 mm	gray	**ST 4-PCBV/12-G-6,2**	**1980802**	50

4 mm² COMBI UT plug-in connection solutions

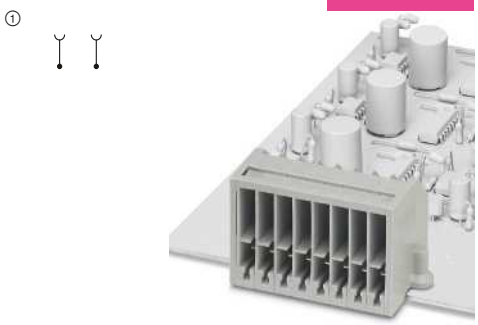
Connectors

- Direct connection of current transformers and voltage transducers, e.g., to a protective relay for medium-voltage switchgear
- UP 4...CT and BP 4...CT connectors contain a short-circuit element. When removing the connector from the device, a leading short circuit of the connected current transformer is carried out.

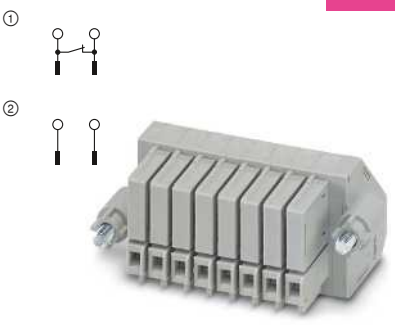
Notes:

[1]) For additional accessories and technical data, see page 240.

new



new



Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		78	**29.1**	**34.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		15	**320**	**0.5 - 2.5**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	320	-	-	-
Nominal current / cross section	[A] / [mm²]	15	-	-	-
Rated cross section	[mm²]	2.5			
Cross section range	AWG	20 - 14	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.5 - 2.5	-	-
2 conductors (of the same type)	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	-			

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
PCB connector, with screw flange covers	8	gray	**FC 4-PCB/8**	①	**3208694**	10
	10	gray	**FC 4-PCB/10**	①	**3208736**	10
Short-circuit plug, for four current transformers	8	gray				
Connector, for four voltage transducers	8	gray				
Short-circuit plug, for four current transformers, bolt connection	10	gray				
Connector, for four voltage transducers, bolt connection	10	gray				

Technical data[1])

Width	Length	Height		
86.7	**56.4**	**34.3**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
15	**320**	**0.14 - 6**	**-**	
IEC	UL / CUL	CSA	Ex	
320	-	-	-	
15	-	-	-	
6				
26 - 10	-	-	-	
solid	stranded	Ferrule without/with plastic sleeve		
0.14 - 6	0.14 - 6	0.25 - 4	0.25 - 4	
0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	-	
8 - 9				

Ordering data

Type		Order No.	Pcs. / Pkt.
UP 4-4CT	①	**3208720**	10
UP 4-4VT	②	**3208721**	10
BP 4-5CT	①	**3208733**	10
BP 4-5VT	②	**3208734**	10

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 240.
2) For derating curve, visit phoenixcontact.net/products

32 A, connector, connection at a right angle to the plug-in direction



32 A, connector, connection at a right angle to the plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height	Height when plugged in
		6.2 x Number of positions	**22**	**48.5**	**32.2**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**800**	**0.14 - 6**	**26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	30 / -	30	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height	Height when plugged in
		6.2 x Number of positions	**22**	**48.5**	**32.2**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**800**	**0.14 - 6**	**26-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	30 / -	30	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
Connector	1	6.2 mm	gray	**UPBV 4/ 1**	①	**3045800**	50
	2	12.4 mm	gray	**UPBV 4/ 2**	①	**3045813**	50
	3	18.6 mm	gray	**UPBV 4/ 3**	①	**3045826**	50
	4	24.8 mm	gray	**UPBV 4/ 4**	①	**3045839**	50
	5	31 mm	gray	**UPBV 4/ 5**	①	**3045842**	50
	6	37.2 mm	gray	**UPBV 4/ 6**	①	**3045855**	25
	7	43.4 mm	gray	**UPBV 4/ 7**	①	**3045868**	25
	8	49.6 mm	gray	**UPBV 4/ 8**	①	**3045871**	25
	9	55.8 mm	gray	**UPBV 4/ 9**	①	**3045884**	25
	10	62 mm	gray	**UPBV 4/10**	①	**3045897**	25
	11	68.2 mm	gray	**UPBV 4/11**	①	**3045907**	10
	12	74.4 mm	gray	**UPBV 4/12**	①	**3045910**	10
	13	80.6 mm	gray	**UPBV 4/13**	①	**3045923**	10
	14	86.8 mm	gray	**UPBV 4/14**	①	**3045936**	10
	15	93 mm	gray	**UPBV 4/15**	①	**3045949**	10
	1	6.2 mm	blue	**UPBV 4/ 1 BU**	①	**3045266**	50
	1	6.2 mm	green-yellow	**UPBV 4/ 1 GNYE**	①	**3045279**	50
Connector, left element	1	6.2 mm	gray	**UPBV 4/ 1-L**	①	**3045716**	50
	1	6.2 mm	blue	**UPBV 4/ 1-L BU**	①	**3045729**	50
	1	6.2 mm	green-yellow	**UPBV 4/ 1-L GNYE**	①	**3045732**	50
Connector, center element	1	6.2 mm	gray	**UPBV 4/ 1-M**	①	**3045745**	50
	1	6.2 mm	blue	**UPBV 4/ 1-M BU**	①	**3045758**	50
	1	6.2 mm	green-yellow	**UPBV 4/ 1-M GNYE**	①	**3045761**	50
Connector, right element	1	6.2 mm	gray	**UPBV 4/ 1-R**	①	**3045774**	50
	1	6.2 mm	blue	**UPBV 4/ 1-R BU**	①	**3045787**	50
	1	6.2 mm	green-yellow	**UPBV 4/ 1-R GNYE**	①	**3045790**	50

Accessories[1])

		Type	Order No.	Pcs. / Pkt.
Strain relief, for UPBV... connectors, 2-pos.	black	**UPZ/ 2**	**3045554**	50
Latching, for UPBV... connectors, 2-pos.	orange	**UPR/ 2**	**3045567**	50
Latching and strain relief, for UPBV... connectors, 2-pos.	orange	**UPRZ**	**3045570**	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	gray	**DF-UPBV 2,5/ 4**	**3060432**	50

Accessories[1])

		Type	Order No.	Pcs. / Pkt.
Strain relief, for UPBV... connectors, 2-pos.	black	**UPZ/ 2**	**3045554**	50
Latching, for UPBV... connectors, 2-pos.	orange	**UPR/ 2**	**3045567**	50
Latching and strain relief, for UPBV... connectors, 2-pos.	orange	**UPRZ**	**3045570**	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	gray	**DF-UPBV 2,5/ 4**	**3060432**	50

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 240.
2) For derating curve, visit phoenixcontact.net/products

① ——○



32 A, connector, connection in plug-in direction

① ——○



32 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height	Height when plugged in
		6.2 x Number of positions	**21**	**41.2**	**24.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**800**	**0.2 - 6**	**26-10**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	30 / -	30	-
Cross section range	AWG	24 - 10	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5

Technical data[1])

Width	Length	Height	Height when plugged in
6.2 x Number of positions	**21**	**41.2**	**24.8**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.2 - 6**	**26-10**
IEC	UL / CUL	CSA	Ex
800	600	600	-
32[2]) / 4	30 / -	30	-
24 - 10	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
Connector	1	6.2 mm	gray	**UP 4/ 1**	①	**3060115**	50
	2	12.4 mm	gray	**UP 4/ 2**	①	**3060128**	50
	3	18.6 mm	gray	**UP 4/ 3**	①	**3060131**	50
	4	24.8 mm	gray	**UP 4/ 4**	①	**3060144**	50
	5	31 mm	gray	**UP 4/ 5**	①	**3060157**	50
	6	37.2 mm	gray	**UP 4/ 6**	①	**3060160**	25
	7	43.4 mm	gray	**UP 4/ 7**	①	**3060173**	25
	8	49.6 mm	gray	**UP 4/ 8**	①	**3060186**	25
	9	55.8 mm	gray	**UP 4/ 9**	①	**3060199**	25
	10	62 mm	gray	**UP 4/10**	①	**3060209**	25
	11	68.2 mm	gray	**UP 4/11**	①	**3060212**	10
	12	74.4 mm	gray	**UP 4/12**	①	**3060225**	10
	13	80.6 mm	gray	**UP 4/13**	①	**3060238**	10
	14	86.8 mm	gray	**UP 4/14**	①	**3060241**	10
	15	93 mm	gray	**UP 4/15**	①	**3060254**	10
	1	6.2 mm	blue	**UP 4/ 1 BU**	①	**3045282**	50
	1	6.2 mm	green-yellow	**UP 4/ 1 GNYE**	①	**3045295**	50
Connector, left element	1	6.2 mm	gray	**UP 4/ 1-L**	①	**3060021**	50
	1	6.2 mm	blue	**UP 4/ 1-L BU**	①	**3060034**	50
	1	6.2 mm	green-yellow	**UP 4/ 1-L GNYE**	①	**3060047**	50
Connector, center element	1	6.2 mm	gray	**UP 4/ 1-M**	①	**3060050**	50
	1	6.2 mm	blue	**UP 4/ 1-M BU**	①	**3060063**	50
	1	6.2 mm	green-yellow	**UP 4/ 1-M GNYE**	①	**3060076**	50
Connector, right element	1	6.2 mm	gray	**UP 4/ 1-R**	①	**3060089**	50
	1	6.2 mm	blue	**UP 4/ 1-R BU**	①	**3060092**	50
	1	6.2 mm	green-yellow	**UP 4/ 1-R GNYE**	①	**3060102**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
UP 4/ 1-L	①	**3060021**	50
UP 4/ 1-L BU	①	**3060034**	50
UP 4/ 1-L GNYE	①	**3060047**	50
UP 4/ 1-M	①	**3060050**	50
UP 4/ 1-M BU	①	**3060063**	50
UP 4/ 1-M GNYE	①	**3060076**	50
UP 4/ 1-R	①	**3060089**	50
UP 4/ 1-R BU	①	**3060092**	50
UP 4/ 1-R GNYE	①	**3060102**	50

Accessories[1])

Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Screw flange cover, for UP 4 COMBI connectors	gray	**DF-UP 4**	**3060348**	50

Accessories[1])

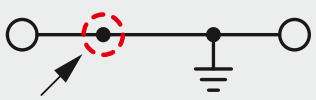
PZ/2	**3040627**	50
PR	**3040559**	50
PR/2	**3040630**	50
PRZ	**3040614**	50
DF-UP 4	**3060348**	50

6 mm² COMBI UT plug-in connection solutions

General technical data for 6 mm² COMBI UT screw connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm²]	6			
Cross section range	AWG	24 - 8			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 4
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

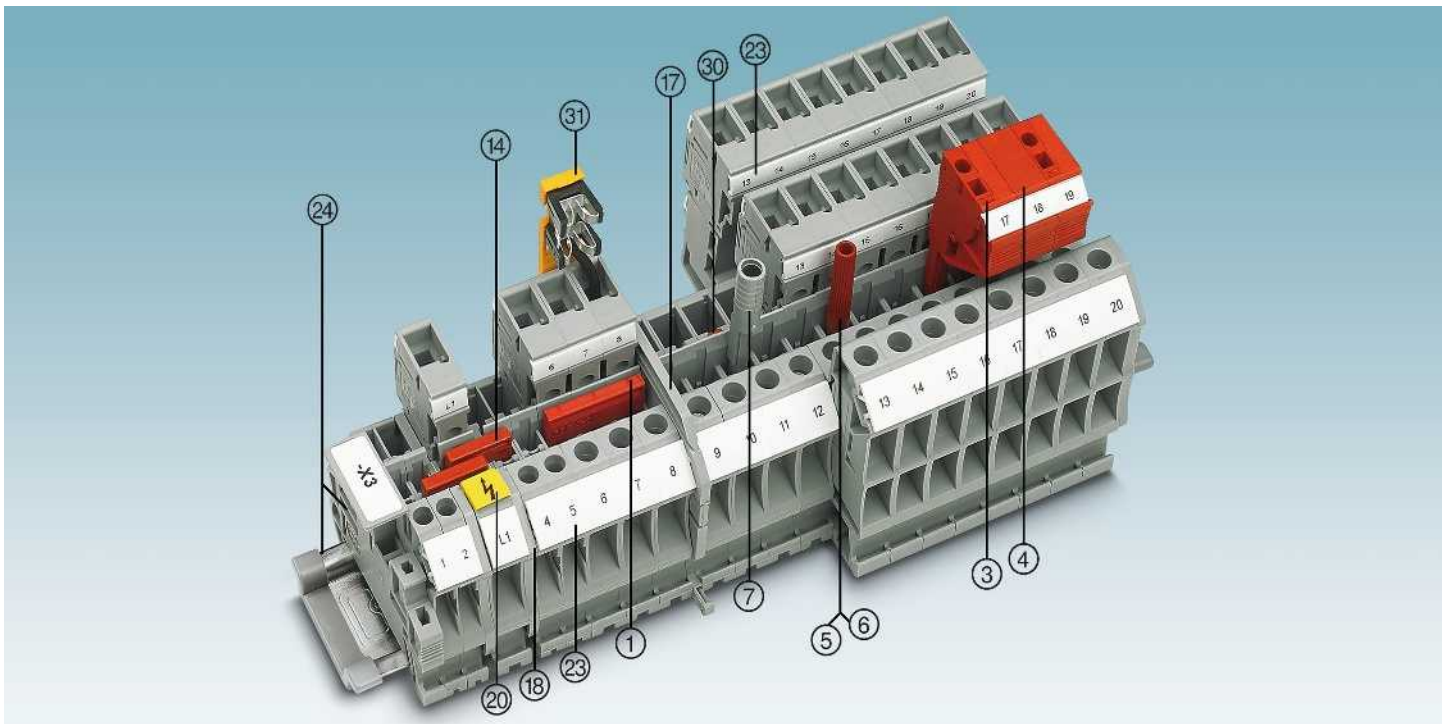


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 6 mm² COMBI UT screw connection terminal blocks

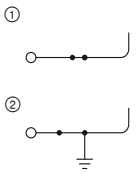


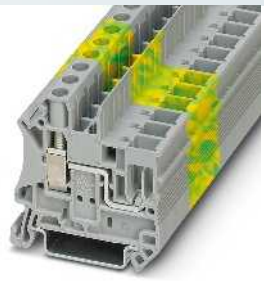
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-8**	**3030284**	10	**FBSR 2-8**	**3033808**	10
	3	red	**FBS 3-8**	**3030297**	10	**FBSR 3-8**	**3001597**	10
	4	red	**FBS 4-8**	**3030307**	10	**FBSR 4-8**	**3000585**	10
	5	red	**FBS 5-8**	**3030310**	10	**FBSR 5-8**	**3033809**	10
	10	red	**FBS 10-8**	**3030323**	10	**FBSR 10-8**	**3001599**	10
	16	red				**FBSR 16-8**	**3033816**	10
③ **Modular test plug**		red	**PS-8**	**3031005**	10			
④ **Spacer plate**		red	**DP PS-8**	**3036741**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
㉚ **Coding profile**		red	**PC**	**3040588**	50			
Screwdriver			**SZS 1,0X4,0 VDE**	**1205066**	10			

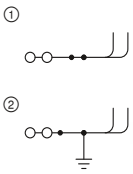
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉓ **Lateral groove marking**	**Terminal block: UC-TM 8, UCT-TM 8 or ZB 8** **Plug: UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉛ **Latching, strain relief, shielding**	**See page 312 onwards.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

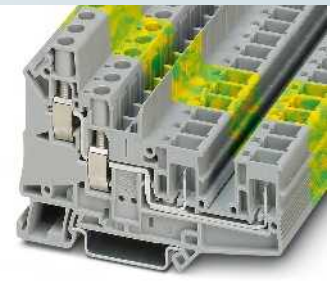
Feed-through and multi-conductor terminal blocks and ground terminals

Notes:
1) For additional accessories and technical data, see page 250.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.









41 A, feed-through terminal block

Technical data[1])			
Width	Length	Height	
8.2	**49.1**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41[2])	**1000**	**0.2 - 10**	**24-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
1000	600	600	-
41[2]) / 6	40 / -	50 / -	-

Ordering data			
Type		Order No.	Pcs. / Pkt.
UT 6/1P	①	**3060539**	50
UT 6/1P BU	①	**3060542**	50
UT 6/1P-PE	②	**3060555**	50

Accessories[1])			
D-UT 2,5/1P		**3047154**	50

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Cover, width 2.2 mm	gray

41 A, feed-through terminal block, 4 connections

Technical data[1])			
Width	Length	Height	
8.2	**86.5**	**60 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**1000**	**0.2 - 10**	**24-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
1000	600	600	-
41[2]) / 6	40 / -	50	-

Ordering data			
Type		Order No.	Pcs. / Pkt.
UT 6-QUATTRO/2P	①	**3060568**	50
UT 6-QUATTRO/2P BU	①	**3060571**	50
UT 6-QUATTRO/2P-PE	②	**3060584**	50

Accessories[1])			
D-UT 6-QUATTRO/2P		**3060607**	50

COMBI connectors



- Just like the basic terminal blocks, the connectors also offer the right connection method for every application
- Extensive, optional snap-on accessories available
- Practical coding facility
- Large marking option
- The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions

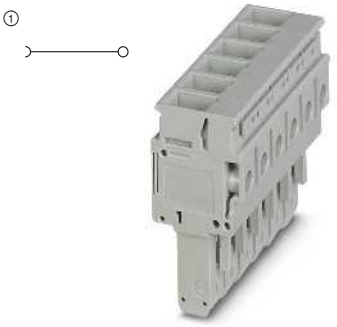
UP... connectors

- Screw actuation from the side
- Conductor connected from above
- The connector design enables a space-saving potential distribution by using four-conductor terminal blocks with 2 slots

Notes:

[1]) For additional accessories and technical data, see page 250.

[2]) For derating curve, visit phoenixcontact.net/products



41 A, connector, connection in plug-in direction

Technical data[1])

Dimensions				
	[mm]			
Max. electrical data				
Rated data				
Rated voltage	[V]			
Nominal current / cross section	[A] / [mm²]			
Connection capacity				
1 conductor	[mm²]			

Width	Length	Height	Height when plugged in
8.2 x Number of positions	**21**	**42.7**	**26**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41[2])	**1000**	**0.2 - 10**	**24-8**
IEC	UL / CUL	CSA	Ex
1000	600	600	-
41[2]) / 6	40	50	-
solid	stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 10	0.25 - 6	0.25 - 6

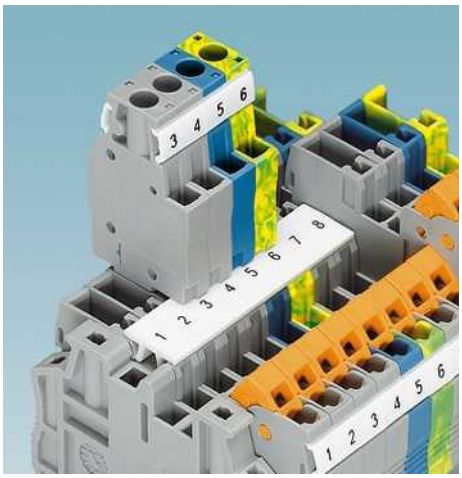
Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
Connector	1	8.2 mm	gray	**UP 6/ 1**	①	**3060610**	50
	2	16.4 mm	gray	**UP 6/ 2**	①	**3060623**	50
	3	24.6 mm	gray	**UP 6/ 3**	①	**3060636**	50
	4	32.8 mm	gray	**UP 6/ 4**	①	**3060649**	25
	5	41 mm	gray	**UP 6/ 5**	①	**3060652**	25
	6	49.2 mm	gray	**UP 6/ 6**	①	**3060665**	25
	7	57.4 mm	gray	**UP 6/ 7**	①	**3060678**	25
	8	65.6 mm	gray	**UP 6/ 8**	①	**3060681**	25
	9	73.8 mm	gray	**UP 6/ 9**	①	**3060694**	25
	10	82 mm	gray	**UP 6/10**	①	**3060704**	25
	1	8.2 mm	blue	**UP 6/ 1 BU**	①	**3060717**	50
	1	8.2 mm	green-yellow	**UP 6/ 1 GNYE**	①	**3060720**	50

Accessories[1])

Strain relief, for connectors, 2-pos.	black	**PZ/2**		**3040627**	50
Latching, for connectors, 1-pos.	orange	**PR**		**3040559**	50
2-pos.	orange	**PR/2**		**3040630**	50
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**		**3040614**	50
Screw flange cover, for UP 6 COMBI connectors	gray	**DF-UP 6**		**3060856**	50

COMBI connectors for self-assembly

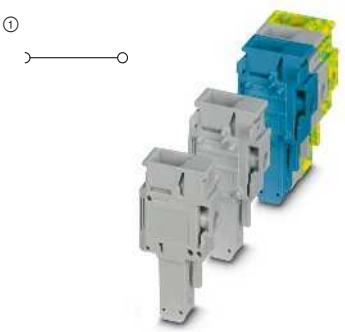


- The COMBI connectors for self-assembly provide solutions that users can implement themselves
- The connectors are snapped together from one-position connector elements directly on site
- The screw connectors can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions
- The connector is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.
  ① DF-UP 6
  ② UP 6/1-L
  ③ UP 6/1-M and UP 6/1-M BU
  ④ UP 6/1-R GNYE

Notes:

[1]) For additional accessories and technical data, see page 250.

[2]) For derating curve, visit phoenixcontact.net/products



41 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

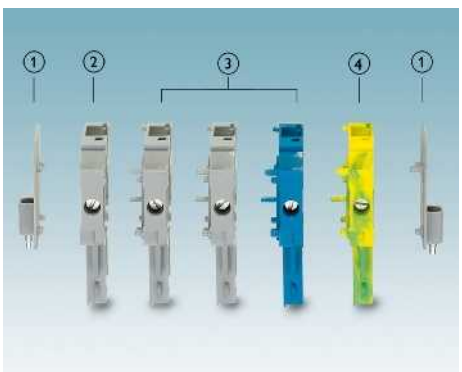
Dimensions				
	[mm]	Width	Length	Height	Height when plugged in
		8.2 x Number of positions	**21**	**42.7**	**26**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41[2])	**1000**	**0.2 - 10**	**24-8**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	41[2]) / 6	40	50	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 10	0.25 - 6	0.25 - 6

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
Connector, left element	1	gray	**UP 6/ 1-L**	①	**3060733**	50
	1	blue	**UP 6/ 1-L BU**	①	**3060746**	50
	1	green-yellow	**UP 6/ 1-L GNYE**	①	**3060759**	50
Connector, center element	1	gray	**UP 6/ 1-M**	①	**3060762**	50
	1	blue	**UP 6/ 1-M BU**	①	**3060775**	50
	1	green-yellow	**UP 6/ 1-M GNYE**	①	**3060788**	50
Connector, right element	1	gray	**UP 6/ 1-R**	①	**3060791**	50
	1	blue	**UP 6/ 1-R BU**	①	**3060801**	50
	1	green-yellow	**UP 6/ 1-R GNYE**	①	**3060814**	50

Accessories[1])

		Type	Order No.	Pcs. / Pkt.
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Screw flange cover, for UP 6 COMBI connectors	gray	**DF-UP 6**	**3060856**	50



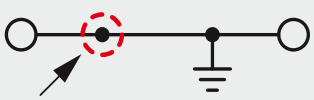
1.5 mm² COMBI PT plug-in connection solutions

General technical data for 1.5 mm² COMBI PT push-in connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm²]	1.5			
Cross section range	AWG	26 - 14			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
Plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

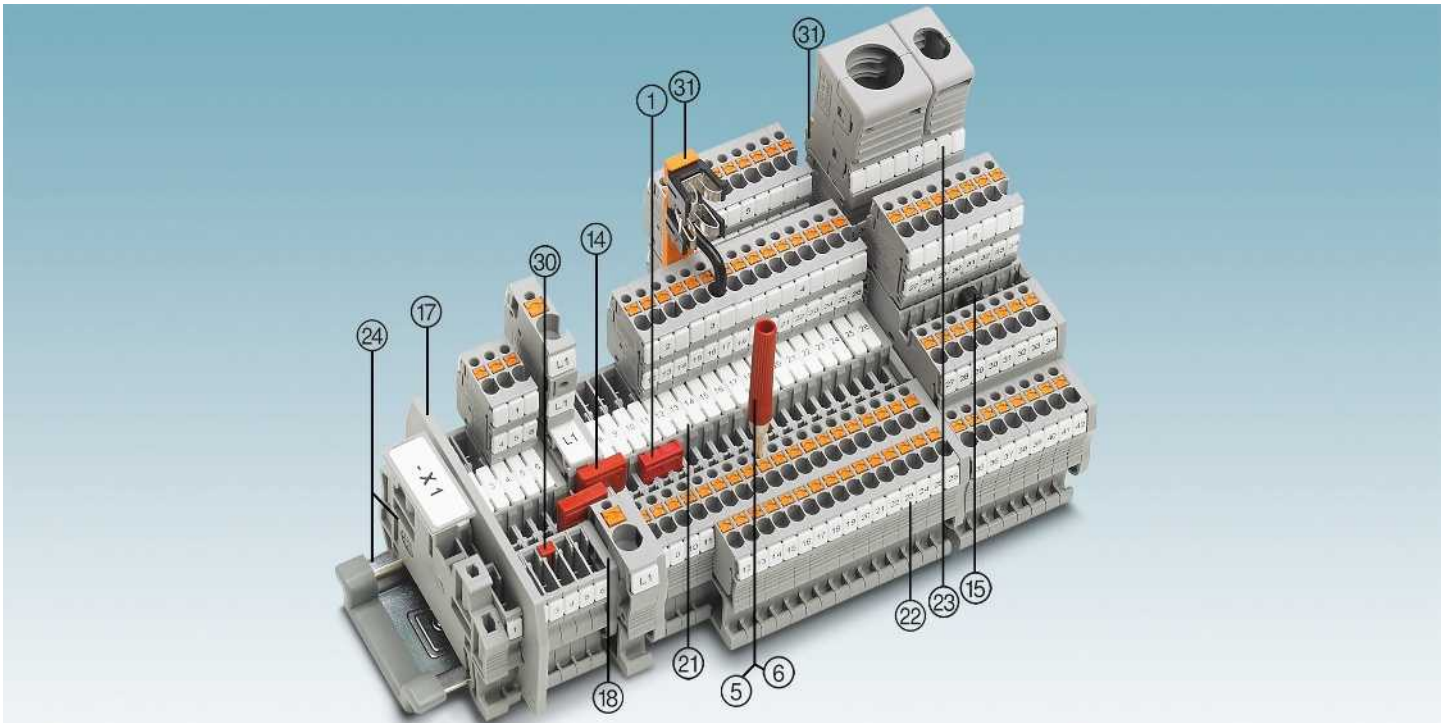


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 1.5 mm² COMBI PT push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-3,5**	**3213014**	50			
	3	red	**FBS 3-3,5**	**3213027**	50			
	4	red	**FBS 4-3,5**	**3213030**	50			
	5	red	**FBS 5-3,5**	**3213043**	50			
	10	red	**FBS 10-3,5**	**3213056**	50			
	20	red	**FBS 20-3,5**	**3213069**	50			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
㉚ **Coding profile**		red	**PC**	**3040588**	50			
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10			

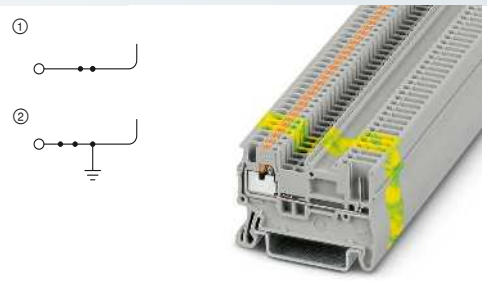
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS 1,5/S-PV ..., see page 341.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UCT-TM 3,5 or ZB 3,5. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UCT-TMF 3,5 or ZBF 3,5. See also Catalog 5, selection tables from page 100.**
㉓ **Lateral groove marking**	**UCT-TMF 3,5 or ZBF 3,5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉛ **Latching, strain relief, shielding**	**See page 312 onwards.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

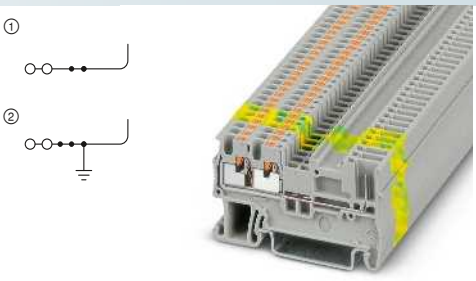
Notes:

1) For additional accessories and technical data, see page 254.

2) For derating curve, visit phoenixcontact.net/products



17.5 A, feed-through terminal block



17.5 A, feed-through terminal block, 3 connections

Dimensions		Width	Length	Height		
	[mm]	**3.5**	**46**	**32 (NS 35/7,5)**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
		17.5²)	**500**	**0.14 - 1.5**	**26-14**	
Max. bridge current	[A]	17.5				
Rated data		IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]	500	600	600	-	
Nominal current / cross section	[A] / [mm²]	17.5²) / 1.5	15 / -	15 / -	-	

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 1,5/S/1P**	①	**3208582**	50
	blue	**PT 1,5/S/1P BU**	①	**3208595**	50
Ground terminal	green-yellow	**PT 1,5/S/1P-PE**	②	**3212332**	50

Accessories¹)

Cover, width 2.2 mm	gray	**D-PT 1,5/S**	**3208142**	50

Dimensions		Width	Length	Height		
	[mm]	**3.5**	**55**	**32 (NS 35/7,5)**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
		17.5	**500**	**0.14 - 1.5**	**26-14**	
Max. bridge current	[A]	17.5				
Rated data		IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]	500	600	600	-	
Nominal current / cross section	[A] / [mm²]	17.5²) / 1.5	15 / -	15 / -	-	

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 1,5/S-TWIN/1P**	①	**3212358**	50
	blue	**PT 1,5/S-TWIN/1P BU**	①	**3212361**	50
Ground terminal	green-yellow	**PT 1,5/S-TWIN/1P-PE**	②	**3212374**	50

Accessories¹)

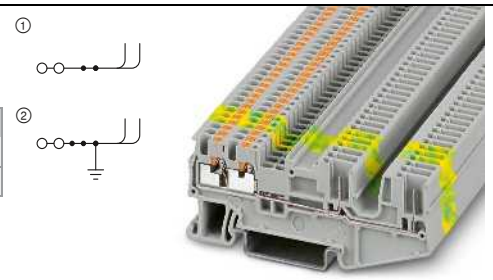
Cover, width 2.2 mm	gray	**D-PT 1,5/S-TWIN**	**3208184**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

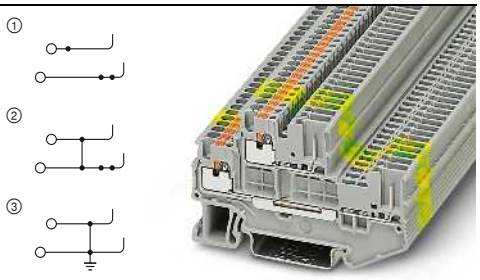
Notes:

1) For additional accessories and technical data, see page 254.

2) For derating curve, visit phoenixcontact.net/products



17.5 A, feed-through terminal block, 4 connections



16 A, double-level terminal block

Dimensions		Width	Length	Height		
	[mm]	**3.5**	**78.5**	**32 (NS 35/7,5)**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
		17.5	**500**	**0.14 - 1.5**	**26-14**	
Max. bridge current	[A]	17.5				
Rated data		IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]	500	600	600	-	
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-	

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 1,5/S-QUATTRO/2P**	①	**3212390**	50
	blue	**PT 1,5/S-QUATTRO/2P BU**	①	**3212400**	50
With potential distribution	gray				
Ground terminal	green-yellow	**PT 1,5/S-QUATTRO/2P-PE**	②	**3212413**	50

Accessories¹)

Cover, width 2.2 mm	gray	**D-PT 1,5/S-QUATTRO/2P**	**3212426**	50

Dimensions		Width	Length	Height		
	[mm]	**3.5**	**69.3**	**42.6 (NS 35/7,5)**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
		16²)	**500**	**0.14 - 1.5**	**26-14**	
Max. bridge current	[A]	17.5				
Rated data		IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]	500	600	600	-	
Nominal current / cross section	[A] / [mm²]	16²) / 1.5	15 / -	15	-	

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTTB 1,5/S/2P**	①	**3212439**	50
	blue	**PTTB 1,5/S/2P BU**	①	**3212442**	50
With potential distribution	gray	**PTTB 1,5/S/2P-PV**	②	**3212468**	50
Ground terminal	green-yellow	**PTTB 1,5/S/2P-PE**	③	**3212455**	50

Accessories¹)

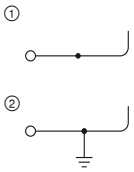
Cover, width 2.2 mm	gray	**D-PTTB 1,5/S/2P**	**3212471**	50

Mini feed-through terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 254.

[2]) For derating curve, visit phoenixcontact.net/products





17.5 A, mini feed-through terminal block

Technical data[1])			
Dimensions	Width	Length	Height
[mm]	**3.5**	**33.55**	**28.1 (NS 15)**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
	17.5[2])	**500**	**0.14 - 1.5 / 26-14**
Max. bridge current [A]	17.5		
Rated data	IEC	UL / CUL	CSA / Ex
Rated voltage [V]	500	600	600 / -
Nominal current / cross section [A] / [mm²]	17.5[2]) / 1.5	15 / -	15 / - / -

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**MPT 1,5/S/1P**	①	**3248115**	50
	blue	**MPT 1,5/S/1P BU**	①	**3248116**	50
Ground terminal	green-yellow	**MPT 1,5/S/1P-PE**	②	**3248117**	50

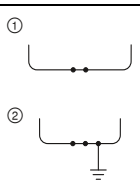
Accessories[1])			
Cover, width 2.2 mm gray	**D-MPT 1,5/S**	**3248120**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

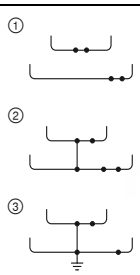
[1]) For additional accessories and technical data, see page 254.

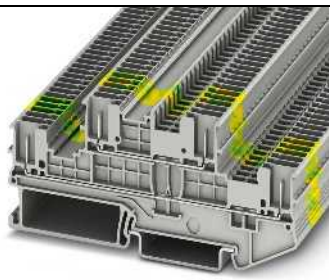
[2]) For derating curve, visit phoenixcontact.net/products





17.5 A, feed-through terminal block





16 A, double-level terminal block

Technical data[1])			
Dimensions	Width	Length	Height
[mm]	**3.5**	**45.8**	**32 (NS 35/7,5)**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
	17.5[2])	**500**	**0.14 - 1.5 / -**
Max. bridge current [A]	17.5		
Rated data	IEC	UL / CUL	CSA / Ex
Rated voltage [V]	500	600	- / -
Nominal current / cross section [A] / [mm²]	17.5[2]) / 1.5	15 / -	- / -

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 1,5/S/2P**	①	**3213784**	50
	blue	**PT 1,5/S/2P BU**	①	**3213797**	50
With potential distribution	gray				
Ground terminal	green-yellow	**PT 1,5/S/2P-PE**	②	**3213810**	50

Accessories[1])			
Cover, width 2.2 mm gray	**D-PT 1,5/S**	**3208142**	50

Technical data[1])				
Width	Length	Height		
3.5	**93.9**	**42.6 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
16[2])	**500**	**0.14 - 1.5**	**-**	
17.5				
IEC	UL / CUL	CSA	Ex	
500	600	-	-	
16[2]) / 1.5	15 / -	-	-	

Ordering data				
Type		Order No.	Pcs. / Pkt.	
PTTB 1,5/S/4P	①	**3213865**	50	
PTTB 1,5/S/4P BU	①	**3213878**	50	
PTTB 1,5/S/4P-PV	②	**3213852**	50	
PTTB 1,5/S/4P-PE	③	**3213881**	50	

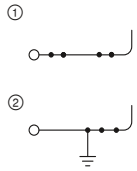
Accessories[1])			
D-PTTB 1,5/S/4P	**3213894**	50	

Desk-design terminal blocks

Notes:

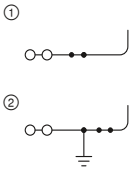
1) For additional accessories and technical data, see page 254.

2) For derating curve, visit phoenixcontact.net/products





17.5 A, feed-through terminal block





17.5 A, feed-through terminal block, 3 connections

Technical data[1]

Dimensions		Width	Length	Height	
	[mm]	3.5	50.7	38.5 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.14 - 1.5	26-14
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	15 / -	15 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTS 1,5/S/1P**	①	**3214453**	50
	blue	**PTS 1,5/S/1P BU**	①	**3214466**	50
Ground terminal	green-yellow	**PTS 1,5/S/1P-PE**	②	**3214479**	50

Accessories[1]

Cover, width 2.2 mm	gray	**D-PTS 1,5/S**	**3214576**	50

Technical data[1]

Dimensions		Width	Length	Height	
	[mm]	3.5	50.7	38.5 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.14 - 1.5	26-14
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	15 / -	15 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTS 1,5/S-TWIN/1P**	①	**3214709**	50
	blue	**PTS 1,5/S-TWIN/1P BU**	①	**3214712**	50
Ground terminal	green-yellow	**PTS 1,5/S-TWIN/1P-PE**	②	**3214725**	50

Accessories[1]

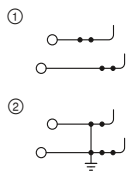
Cover, width 2.2 mm	gray	**D-PTS 1,5/S**	**3214576**	50

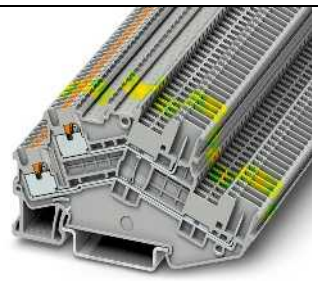
Desk-design terminal blocks

Notes:

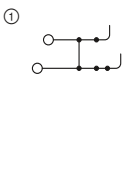
1) For additional accessories and technical data, see page 254.

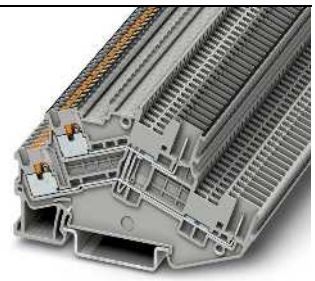
2) For derating curve, visit phoenixcontact.net/products





16 A, double-level terminal block





16 A, double-level terminal block with equipotential bonding

Technical data[1]

Dimensions		Width	Length	Height	
	[mm]	3.5	78	55 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	500	0.14 - 1.5	26-14
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	16[2]) / 1.5	15 / -	15 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PTTBS 1,5/S/2P**	①	**3214495**	50
	blue	**PTTBS 1,5/S/2P BU**	①	**3214505**	50
	gray				
Ground terminal	green-yellow	**PTTBS 1,5/S/2P-PE**	②	**3214518**	50

Accessories[1]

Cover, width 2.2 mm	gray	**D-PTTBS 1,5/S/2P**	**3214534**	50

Technical data[1]

Dimensions		Width	Length	Height	
	[mm]	3.5	78	55 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	500	0.14 - 1.5	26-14
Max. bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	16[2]) / 1.5	15 / -	15 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTBS 1,5/S/2P-PV	①	**3214521**	50

Accessories[1]

D-PTTBS 1,5/S/2P	**3214534**	50

Couplings

Notes:
[1]) For additional accessories and technical data, see page 254.
[2]) For derating curve, visit phoenixcontact.net/products

① —○



17.5 A, coupling

① —○



17.5 A, coupling, for self-assembly

Dimensions		Technical data[1]) Width	Length	Height		Technical data[1]) Width	Length	Height	
	[mm]	**3.5 x Number of positions**	**27**	**17.8**		**3.5 x Number of positions**	**27**	**17.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5[2])	**500**	**0.14 - 1.5**	**26-14**	**17.5[2])**	**500**	**0.14 - 1.5**	**26-14**
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	15 / -	15 / -	-	17.5[2]) / 1.5	15 / -	15 / -	-

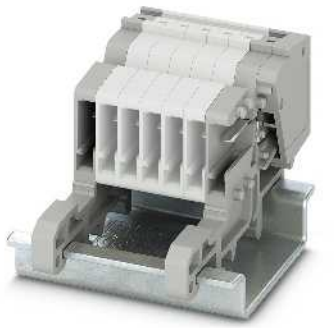
Description	No. of pos.	Width	Color	Ordering data Type		Order No.	Pcs. / Pkt.	Ordering data Type		Order No.	Pcs. / Pkt.
COMBI header	2	7 mm	gray	**PPC 1,5/S/ 2**	①	**3213386**	50				
	3	10.5 mm	gray	**PPC 1,5/S/ 3**	①	**3213399**	50				
	4	14 mm	gray	**PPC 1,5/S/ 4**	①	**3213409**	50				
	5	17.5 mm	gray	**PPC 1,5/S/ 5**	①	**3213412**	50				
	6	21 mm	gray	**PPC 1,5/S/ 6**	①	**3213425**	25				
	7	24.5 mm	gray	**PPC 1,5/S/ 7**	①	**3213438**	25				
	8	28 mm	gray	**PPC 1,5/S/ 8**	①	**3213441**	25				
	9	31.5 mm	gray	**PPC 1,5/S/ 9**	①	**3213454**	25				
	10	35 mm	gray	**PPC 1,5/S/10**	①	**3213467**	25				
	11	38.5 mm	gray	**PPC 1,5/S/11**	①	**3213470**	10				
	12	42 mm	gray	**PPC 1,5/S/12**	①	**3213483**	10				
	13	45.5 mm	gray	**PPC 1,5/S/13**	①	**3213496**	10				
	14	49 mm	gray	**PPC 1,5/S/14**	①	**3213506**	10				
	15	52.5 mm	gray	**PPC 1,5/S/15**	①	**3213519**	10				
COMBI coupling, for self-assembly	1	3.5 mm	gray					**PPC 1,5/S/1-L**	①	**3213357**	50
	1	3.5 mm	blue					**PPC 1,5/S/1-L BU**	①	**3213360**	50
	1	3.5 mm	green-yellow					**PPC 1,5/S/1-L GNYE**	①	**3213373**	50

		Accessories[1])			Accessories[1])		
Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10	**MPS-IH RD**	**0201676**	10
Cover, width 2.2 mm	gray	**D-PPC 1,5/S**	**3213690**	50	**D-PPC 1,5/S**	**3213690**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50	**PC**	**3040588**	50
Strain relief, for connector and coupling, 2-pos.	black	**PZ 1,5/S/2**	**3212918**	50	**PZ 1,5/S/2**	**3212918**	50
Cable housing, for PP–H 1,5... and PPC 1,5...	gray	**PH 1,5/S/3**	**3212756**	50	**PH 1,5/S/3**	**3212756**	50
4-pos.	gray	**PH 1,5/S/4**	**3212769**	50	**PH 1,5/S/4**	**3212769**	50
5-pos.	gray	**PH 1,5/S/5**	**3212772**	50	**PH 1,5/S/5**	**3212772**	50
6-pos.	gray	**PH 1,5/S/6**	**3212785**	25	**PH 1,5/S/6**	**3212785**	25
7-pos.	gray	**PH 1,5/S/7**	**3212798**	25	**PH 1,5/S/7**	**3212798**	25
8-pos.	gray	**PH 1,5/S/8**	**3212808**	25	**PH 1,5/S/8**	**3212808**	25
9-pos.	gray	**PH 1,5/S/9**	**3212811**	25	**PH 1,5/S/9**	**3212811**	25
10-pos.	gray	**PH 1,5/S/10**	**3212824**	25	**PH 1,5/S/10**	**3212824**	25
11-pos.	gray	**PH 1,5/S/11**	**3212837**	10	**PH 1,5/S/11**	**3212837**	10
12-pos.	gray	**PH 1,5/S/12**	**3212840**	10	**PH 1,5/S/12**	**3212840**	10
13-pos.	gray	**PH 1,5/S/13**	**3212853**	10	**PH 1,5/S/13**	**3212853**	10
14 pos.	gray	**PH 1,5/S/14**	**3212866**	10	**PH 1,5/S/14**	**3212866**	10
15-pos.	gray	**PH 1,5/S/15**	**3212879**	10	**PH 1,5/S/15**	**3212879**	10

Couplings

Notes:
1) For additional accessories and technical data, see page 254.
2) For derating curve, visit phoenixcontact.net/products

① —○



17.5 A, coupling for DIN rail mounting

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])			
Width	Length	Height	
3.5	**43**	**28.3 (NS 35/7,5) / 28.3 (NS 15)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5[2])	**500**	**0.14 - 1.5**	**26-14**
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5[2]) / 1.5	15 / -	15 / -	-

Description	Color
COMBI header	gray
Cover, width 2.2 mm	gray
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red
Strain relief, for connector and coupling, 2-pos.	black

Ordering data

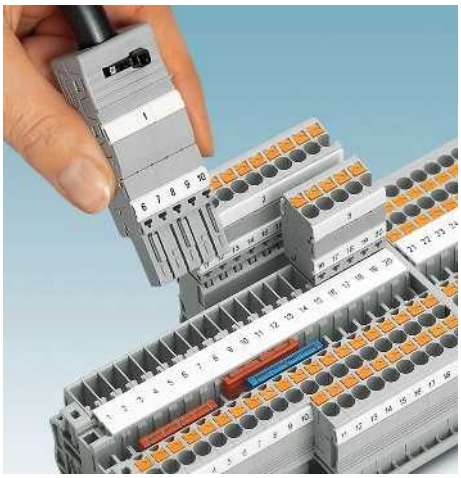
Type		Order No.	Pcs. / Pkt.
PPC 1,5/S-NS/1-L	①	**3213700**	50

Accessories[1])

D-PPC 1,5/S	**3213690**	50
PC	**3040588**	50
PZ 1,5/S/2	**3212918**	50

1.5 mm² COMBI PT plug-in connection solutions

COMBI connectors

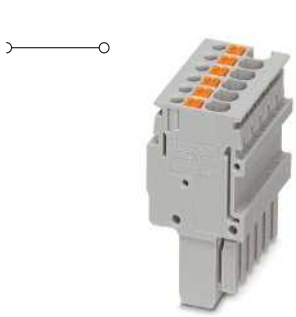


- Extensive, optional snap-on accessories available
- Practical coding facility
- Large marking option
- Robust cable housings for strain relief on connecting cables are available

Notes:

[1]) For additional accessories and technical data, see page 254.

[2]) For derating curve, visit phoenixcontact.net/products



17.5 A, connector, connection in plug-in direction

Technical data[1])

Dimensions			
			[mm]

Max. electrical data			

Rated data		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm²]

Width	Length	Height	Height when plugged in
3.5 x Number of positions	**16.5**	**31.3**	**19.5**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5[2])	**500**	**0.14 - 1.5**	**26-14**
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5[2]) / 1.5	15 / -	15 / -	-

Ordering data

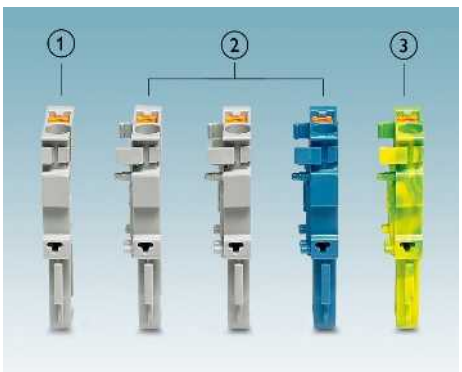
Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	3.5 mm	gray	**PP-H 1,5/S/1**	①	**3212484**	50
	2	7 mm	gray	**PP-H 1,5/S/2**	①	**3212510**	50
	3	10.5 mm	gray	**PP-H 1,5/S/3**	①	**3212523**	50
	4	14 mm	gray	**PP-H 1,5/S/4**	①	**3212536**	50
	5	17.5 mm	gray	**PP-H 1,5/S/5**	①	**3212549**	50
	6	21 mm	gray	**PP-H 1,5/S/6**	①	**3212552**	25
	7	24.5 mm	gray	**PP-H 1,5/S/7**	①	**3212565**	25
	8	28 mm	gray	**PP-H 1,5/S/8**	①	**3212578**	25
	9	31.5 mm	gray	**PP-H 1,5/S/9**	①	**3212581**	25
	10	35 mm	gray	**PP-H 1,5/S/10**	①	**3212594**	25
	11	38.5 mm	gray	**PP-H 1,5/S/11**	①	**3212604**	10
	12	42 mm	gray	**PP-H 1,5/S/12**	①	**3212617**	10
	13	45.5 mm	gray	**PP-H 1,5/S/13**	①	**3212620**	10
	14	49 mm	gray	**PP-H 1,5/S/14**	①	**3212633**	10
	15	52.5 mm	gray	**PP-H 1,5/S/15**	①	**3212646**	10
	1	3.5 mm	blue	**PP-H 1,5/S/1 BU**	①	**3212497**	50
	1	3.5 mm	green-yellow	**PP-H 1,5/S/1 GNYE**	①	**3212507**	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ 1,5/S**	**3212905**	50
Latching, for connectors, 1-pos.	orange	**PR 1,5/S**	**3212882**	50
2-pos.	orange	**PR 1,5/S/2**	**3212895**	50
Strain relief, for connector and coupling, 2-pos.	black	**PZ 1,5/S/2**	**3212918**	50
Cable housing, for PP–H 1,5... and PPC 1,5...	gray	**PH 1,5/S/3**	**3212756**	50
4-pos.	gray	**PH 1,5/S/4**	**3212769**	50
5-pos.	gray	**PH 1,5/S/5**	**3212772**	50
6-pos.	gray	**PH 1,5/S/6**	**3212785**	25
7-pos.	gray	**PH 1,5/S/7**	**3212798**	25
8-pos.	gray	**PH 1,5/S/8**	**3212808**	25
9-pos.	gray	**PH 1,5/S/9**	**3212811**	25
10-pos.	gray	**PH 1,5/S/10**	**3212824**	25
11-pos.	gray	**PH 1,5/S/11**	**3212837**	10
12-pos.	gray	**PH 1,5/S/12**	**3212840**	10
13-pos.	gray	**PH 1,5/S/13**	**3212853**	10
14 pos.	gray	**PH 1,5/S/14**	**3212866**	10
15-pos.	gray	**PH 1,5/S/15**	**3212879**	10

COMBI connectors for self-assembly

- The push-in COMBI connectors for self-assembly provide solutions that users can implement themselves
- Robust cable housings for strain relief on connecting cables are available
- The connector is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.
  ① PP–H 1,5/S/1-L
  ② PP–H 1,5/S/1-M and PP–H 1,5/S/1-M BU
  ③ PP–H 1,5/S/1-R GNYE



Notes:

[1]) For additional accessories and technical data, see page 254.

For more cable housings, see page 317





17.5 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**3.5 x Number of positions**	**16.5**	**31.3**	**19.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
COMBI connector, left element	1	gray	**PP-H 1,5/S/1-L**	①	**3212659**	50
	1	blue	**PP-H 1,5/S/1-L BU**	①	**3212662**	50
	1	green-yellow	**PP-H 1,5/S/1-L GNYE**	①	**3212675**	50
COMBI connector, center element	1	gray	**PP-H 1,5/S/1-M**	①	**3212688**	50
	1	blue	**PP-H 1,5/S/1-M BU**	①	**3212691**	50
	1	green-yellow	**PP-H 1,5/S/1-M GNYE**	①	**3212701**	50
COMBI connector, right element	1	gray	**PP-H 1,5/S/1-R**	①	**3212714**	50
	1	blue	**PP-H 1,5/S/1-R BU**	①	**3212727**	50
	1	green-yellow	**PP-H 1,5/S/1-R GNYE**	①	**3212730**	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ 1,5/S**	**3212905**	50
Latching, for connectors, 1-pos.	orange	**PR 1,5/S**	**3212882**	50
2-pos.	orange	**PR 1,5/S/2**	**3212895**	50
Strain relief, for connector and coupling, 2-pos.	black	**PZ 1,5/S/2**	**3212918**	50
Cable housing, for PP–H 1,5... and PPC 1,5...	gray	**PH 1,5/S/3**	**3212756**	50
4-pos.	gray	**PH 1,5/S/4**	**3212769**	50
5-pos.	gray	**PH 1,5/S/5**	**3212772**	50
6-pos.	gray	**PH 1,5/S/6**	**3212785**	25
7-pos.	gray	**PH 1,5/S/7**	**3212798**	25
8-pos.	gray	**PH 1,5/S/8**	**3212808**	25
9-pos.	gray	**PH 1,5/S/9**	**3212811**	25
10-pos.	gray	**PH 1,5/S/10**	**3212824**	25
11-pos.	gray	**PH 1,5/S/11**	**3212837**	10
12-pos.	gray	**PH 1,5/S/12**	**3212840**	10
13-pos.	gray	**PH 1,5/S/13**	**3212853**	10
14 pos.	gray	**PH 1,5/S/14**	**3212866**	10
15-pos.	gray	**PH 1,5/S/15**	**3212879**	10

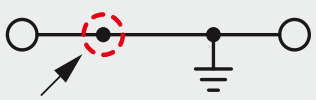
2.5 mm² COMBI PT plug-in connection solutions

General technical data for 2.5 mm² COMBI PT push-in connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
Plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

Notes:

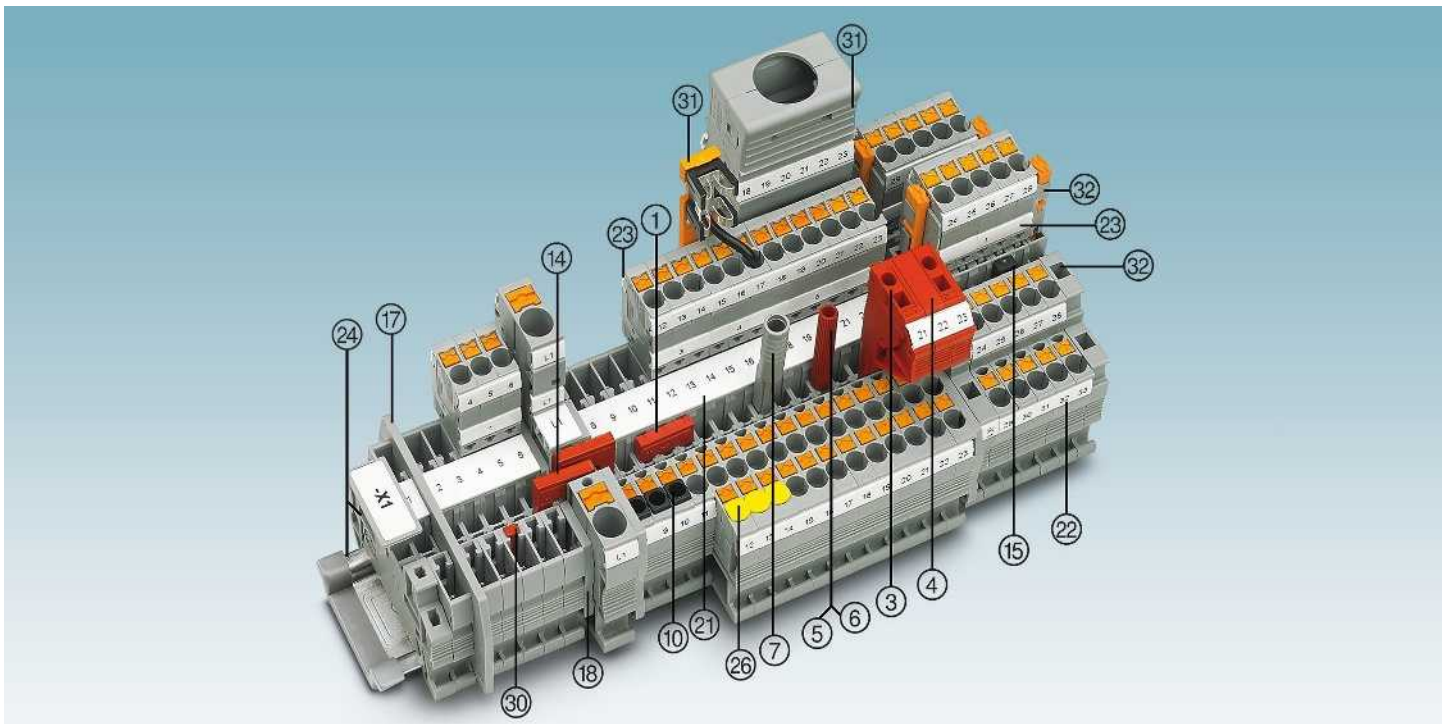


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 2.5 mm² COMBI PT push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-5**	**3030161**	50	**FBSR 2-5**	**3033702**	50
	3	red	**FBS 3-5**	**3030174**	50	**FBSR 3-5**	**3001591**	50
	4	red	**FBS 4-5**	**3030187**	50	**FBSR 4-5**	**3001592**	50
	5	red	**FBS 5-5**	**3030190**	50	**FBSR 5-5**	**3001593**	50
	10	red	**FBS 10-5**	**3030213**	10	**FBSR 10-5**	**3033710**	10
	20	red	**FBS 20-5**	**3030226**	10			
③ **Modular test plug**		red	**PS-5**	**3030983**	10			
④ **Spacer plate**		red	**DP PS-5**	**3036725**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑩ **Insulating sleeve**		white	**ISH 2,5/0,2**	**3002843**	50			
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	**3002856**	50			
0.75 - 1 mm²		black	**ISH 2,5/1,0**	**3002869**	50			
㉚ **Coding profile**		red	**PC**	**3040588**	50			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑮ **Vertical potential bridge**	**For FBS-PV ..., see page 341.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.**
㉓ **Lateral groove marking**	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉖ **Cover for conductor shaft**	**For CEC ..., see page 348.**
㉛ **Latching, strain relief, shielding**	**See page 312 onwards.**
㉜ **Screw flanges, screw flange cover**	**See page 320 onwards.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

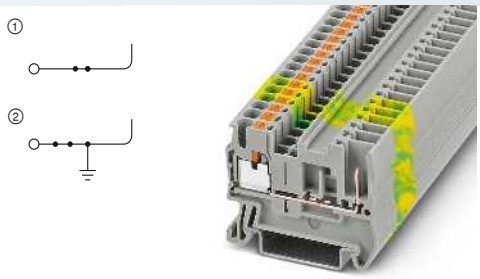
Notes:

[1]) For additional accessories and technical data, see page 262.

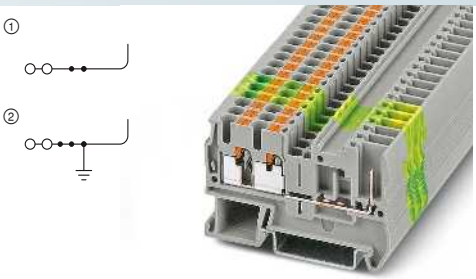
[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 320.

For self-locking flange, see page 319.



24 A, feed-through terminal block



24 A, feed-through terminal block, 3 connections

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**48.5**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 2,5/1P**	①	**3210033**	50
	blue	**PT 2,5/1P BU**	①	**3210046**	50
Ground terminal	green-yellow	**PT 2,5/1P-PE**	②	**3210059**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5**	**3030417**	50

Technical data[1])

Width	Length	Height	
5.2	**60.5**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**500**	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 2,5-TWIN/1P	①	**3209633**	50
PT 2,5-TWIN/1P BU	①	**3209646**	50
PT 2,5-TWIN/1P-PE	②	**3209659**	50

Accessories[1])

D-ST 2,5-TWIN	**3030488**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

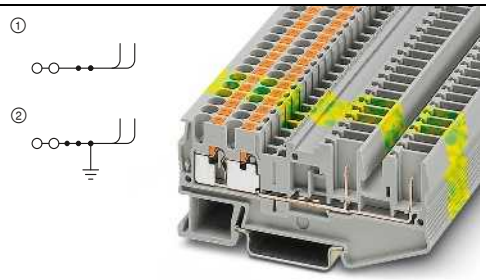
Notes:

[1]) For additional accessories and technical data, see page 262.

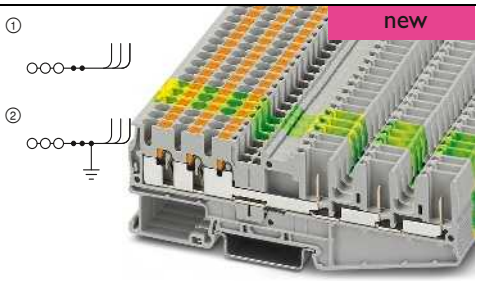
[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 320.

For self-locking flange, see page 319.



24 A, feed-through terminal block, 4 connections



24 A, feed-through terminal block, 6 connections

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**81**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 2,5-QUATTRO/2P**	①	**3209662**	50
	blue	**PT 2,5-QUATTRO/2P BU**	①	**3209675**	50
Ground terminal	green-yellow	**PT 2,5-QUATTRO/2P-PE**	②	**3209688**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO/ 2P**	**3040083**	50
Spacer plate, width 5.2 mm	orange			

Technical data[1])

Width	Length	Height	
5.2	**111.2**	**35.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**-**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	-	-	-
24[2]) / 2.5	-	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 2,5-HEXA/3P	①	**3040044**	50
PT 2,5-HEXA/3P BU	①	**3040048**	50
PT 2,5-HEXA/3P-PE	②	**3040052**	50

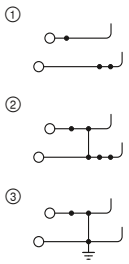
Accessories[1])

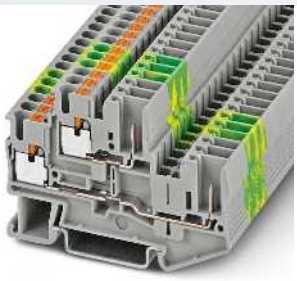
D-PT 2,5-HEXA/3P	**3040058**	50
DP-PT 2,5-HEXA/3P	**3040060**	50

2.5 mm² COMBI PT plug-in connection solutions

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

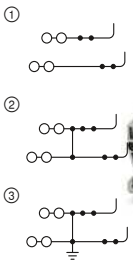
Notes:
[1]) For additional accessories and technical data, see page 262.
[2]) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.
For self-locking flange, see page 319.





22 A, double-level terminal block

new





22 A, double-level terminal block, desk design

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**71.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[2])	**500**	**0.14 - 4**	**24-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
22[2]) / 2.5	20 / -	20 / -	-

Technical data[1])

Width	Length	Height	
5.2	**111.8**	**55 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**500**	**0.14 - 4**	**-**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	-	-	-
22 / 2.5	-	-	-

Description	Color
Terminal block	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTB 2,5/2P	①	**3210871**	50
PTTB 2,5/2P BU	①	**3210884**	50
PTTB 2,5/2P-PV	②	**3210907**	50
PTTB 2,5/2P-PE	③	**3210897**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
PTTBS 2,5-TWIN/2P	①	**3210604**	50
PTTBS 2,5-TWIN/2P BU	①	**3210605**	50
PTTBS 2,5-TWIN/2P-PV	②	**3210607**	50
PTTBS 2,5-TWIN/2P-PE	③	**3210606**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STTB 2,5/ 2P**	**3040096**	50

Accessories[1])

D-PTTBS 2,5-TWIN	**3210608**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 262.

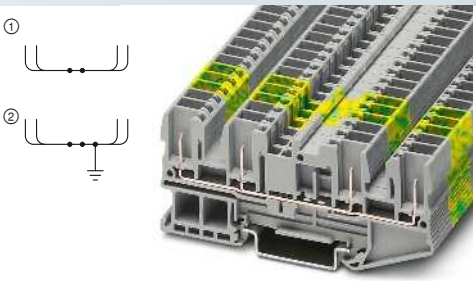
[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 320.

For self-locking flange, see page 319.



24 A, feed-through terminal block



24 A, feed-through terminal block, 4 connections

		Technical data[1])				Technical data[1])			
Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**5.2**	**49.1**	**36.5 (NS 35/7,5)**		**5.2**	**89.5**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.08 - 4**	**-**	**24**	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-	24[2]) / 2.5	20 / -	20 / -	-
Cross section range	AWG	28 - 12	-	-	-	28 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

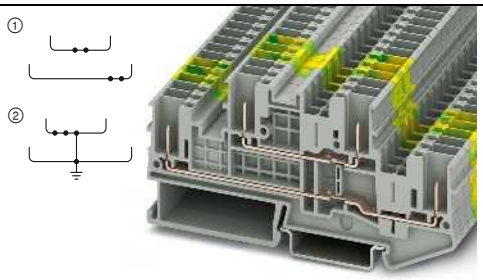
		Ordering data				Ordering data			
Description	Color	**Type**		**Order No.**	Pcs. / Pkt.	**Type**		**Order No.**	Pcs. / Pkt.
Terminal block	gray	**ST 2,5/2P**	①	**3042133**	50	**ST 2,5-QUATTRO/4P**	①	**3042159**	50
	blue	**ST 2,5/2P BU**	①	**3042094**	50	**ST 2,5-QUATTRO/4P BU**	①	**3042081**	50
Ground terminal	green-yellow	**ST 2,5/2P-PE**	②	**3042146**	50	**ST 2,5-QUATTRO/4P-PE**	②	**3042162**	50
		Accessories[1])				**Accessories[1])**			
Cover, width 2.2 mm	gray	**D-ST 2,5**		**3030417**	50	**D-ST 2,5-QUATTRO/4P**		**3042175**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

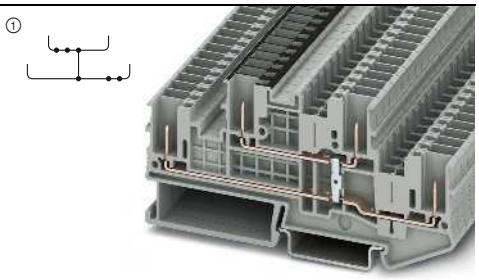
Notes:

[1]) For additional accessories and technical data, see page 262.

[2]) For derating curve, visit phoenixcontact.net/products



22 A, double-level terminal block



22 A, double-level terminal block with equipotential bonding

		Technical data[1])				Technical data[1])			
Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**5.2**	**98.8**	**47.5 (NS 35/7,5)**		**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22[2])	**500**	**0.08 - 4**	**-**	**22**	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-	500	600	600	-
Nominal current / cross section	[A] / [mm²]	22[2]) / 2.5	20 / -	20 / -	-	22 / 2.5	20 / -	20 / -	-
Cross section range	AWG	28 - 12	-	-	-	28 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

		Ordering data				Ordering data			
Description	Color	**Type**		**Order No.**	Pcs. / Pkt.	**Type**		**Order No.**	Pcs. / Pkt.
Terminal block	gray	**STTB 2,5/4P**	①	**3061486**	50				
	blue	**STTB 2,5/4P BU**	①	**3061512**	50				
	gray					**STTB 2,5/4P-PV**	①	**3061509**	50
Ground terminal	green-yellow	**STTB 2,5/4P-PE**	②	**3061499**	50				
		Accessories[1])				**Accessories[1])**			
Cover, width 2.2 mm		**D-STTB 2,5/4P**		**3061538**	50	**D-STTB 2,5/4P**		**3061538**	50

2.5 mm² COMBI PT plug-in connection solutions

Multi-level terminal blocks

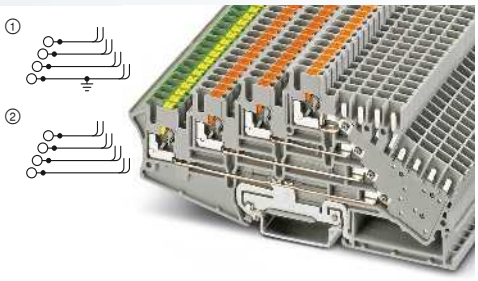
Notes:

[1]) For additional accessories and technical data, see page 262.

[2]) For derating curve, visit phoenixcontact.net/products



10 A, four-level terminal block



10 A, four-level terminal block with PE foot

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	5.2	105.6	59 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	10[2])	250	0.14 - 4	-
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	10[2]) / 1.5	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 2,5-4L/1P**	①	**3012300**	50
Terminal block, with PE foot	gray				
Terminal block, with two plug-in connections	gray				

Accessories[1])

Cover, width 2.2 mm	gray	**D-PT 2,5-4L/1P**	**3012301**	10

EAC

Technical data[1])

	Width	Length	Height	
	5.2	125	59 (NS 35/7,5)	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	10[2])	250	0.14 - 4	-
	24 (FBS) / 17.5 (FBSR)			
	IEC	UL / CUL	CSA	Ex
	250	-	-	-
	10[2]) / 1.5	-	-	-

Ordering data

Type		Order No.	Pcs. / Pkt.
PT 2,5-PE/3L/2P	①	**3012316**	50
PT 2,5-4L/2P	②	**3012310**	50

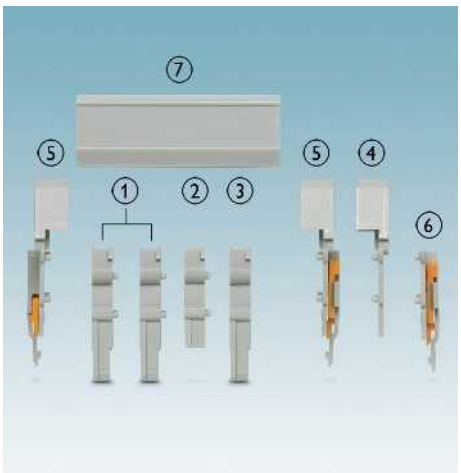
Accessories[1])

D-PT 2,5-4L/2P	**3012311**	10

Connector housing for four-level terminal block

Notes:

In order to crimp STG-MTN... modular socket contacts, the CRIMPFOX MT 2,5 (Order No. 1204038) must be used.



① 4-pos. connector with CP–H 2,5-4L-Z engagement pin
② DP-CP-H 2,5-4L spacer plate
③ CP-H 2,5-4L 4-pos. connector
④ D-CP-H 2,5-4L cover profile carrier
⑤ DFS-CP-H 2,5-4L cover profile carrier with self-locking flange cover
⑥ DFS-CP 2,5-4L self-locking flange cover
⑦ AP-CP-H cover profile



Connector housing, for accommodating four socket contacts

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Connector housing, for accommodating 4 socket contacts	gray	**CP-H 2,5-4L**	**3012313**	50
	gray	**CP-H 2,5-4L-PE**	**3012323**	50
Connector housing with engagement pin	gray	**CP-H 2,5-4L-Z**	**3012314**	50
	gray	**CP-H 2,5-4L-Z-PE**	**3012324**	50

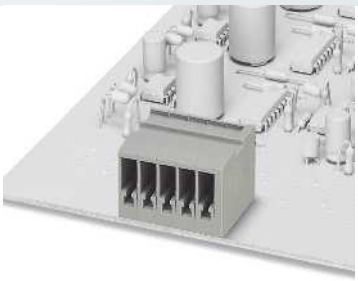
Accessories

Self-locking flange, can be marked with UC-TM	gray	**PT 2,5-4L/1P-FS**		**3012302**	10
Spacer plate	gray	**DP-CP-H 2,5-4L**		**3012319**	50
Cover profile, 1 m, can be marked with UC-TM ...	gray	**AP-CP-H**	**METER**	**3012315**	10
Cover profile carrier	gray	**D-CP-H 2,5-4L**		**3012320**	50
Cover profile carrier, with self-locking flange cover	gray	**DFS-CP-H 2,5-4L**		**3012317**	50
Self-locking flange cover	gray	**DFS-CP 2,5-4L**		**3012321**	50
Module socket contact, 0.5 - 1 mm²	silver	**STG-MTN 0,5-1,0**		**3190438**	100
For conductors from 1.5 ... 2.5 mm²	silver	**STG-MTN 1,5-2,5**		**3190506**	100

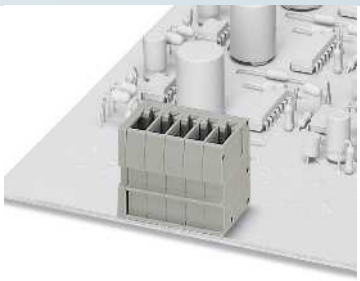
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



24 A, header, horizontal plug-in direction



24 A, header, vertical plug-in direction

Technical data

Dimensions	Width	Length	Height	
[mm]	**10.4**	**-**		
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**500**	**-**	**-**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	-	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section [mm²]	2.5			
General data				
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data

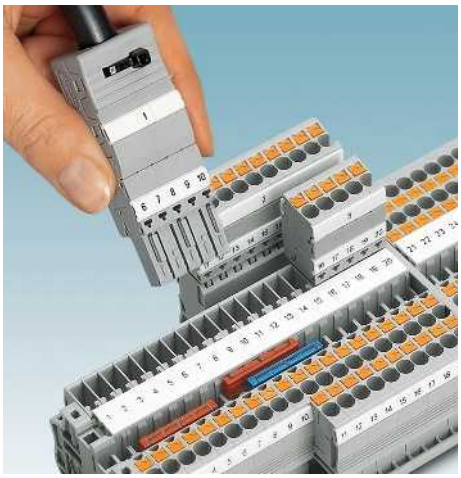
Width	Length	Height	
10.4	**-**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**500**	**-**	**-**
IEC	UL / CUL	CSA	Ex
500	300	-	-
24 / 2.5	15 / -	-	-
2.5			
PA			
V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI header	2	10.4 mm	gray	**ST 2,5-PCB/ 2-G-5,2**	**1980378**	50
	3	15.6 mm	gray	**ST 2,5-PCB/ 3-G-5,2**	**1980381**	50
	4	20.8 mm	gray	**ST 2,5-PCB/ 4-G-5,2**	**1980394**	50
	5	26 mm	gray	**ST 2,5-PCB/ 5-G-5,2**	**1980404**	50
	6	31.2 mm	gray	**ST 2,5-PCB/ 6-G-5,2**	**1980417**	50
	7	36.4 mm	gray	**ST 2,5-PCB/ 7-G-5,2**	**1980420**	50
	8	41.6 mm	gray	**ST 2,5-PCB/ 8-G-5,2**	**1980433**	50
	9	46.8 mm	gray	**ST 2,5-PCB/ 9-G-5,2**	**1980446**	50
	10	52 mm	gray	**ST 2,5-PCB/10-G-5,2**	**1980459**	50
	11	57.2 mm	gray	**ST 2,5-PCB/11-G-5,2**	**1980462**	50
	12	62.4 mm	gray	**ST 2,5-PCB/12-G-5,2**	**1980475**	50
COMBI header	2	10.4 mm	gray	**ST 2,5-PCBV/ 2-G-5,2**	**1980488**	50
	3	15.6 mm	gray	**ST 2,5-PCBV/ 3-G-5,2**	**1980491**	50
	4	20.8 mm	gray	**ST 2,5-PCBV/ 4-G-5,2**	**1980501**	50
	5	26 mm	gray	**ST 2,5-PCBV/ 5-G-5,2**	**1980514**	50
	6	31.2 mm	gray	**ST 2,5-PCBV/ 6-G-5,2**	**1980527**	50
	7	36.4 mm	gray	**ST 2,5-PCBV/ 7-G-5,2**	**1980530**	50
	8	41.6 mm	gray	**ST 2,5-PCBV/ 8-G-5,2**	**1980543**	50
	9	46.8 mm	gray	**ST 2,5-PCBV/ 9-G-5,2**	**1980556**	50
	10	52 mm	gray	**ST 2,5-PCBV/10-G-5,2**	**1980569**	50
	11	57.2 mm	gray	**ST 2,5-PCBV/11-G-5,2**	**1980572**	50
	12	62.4 mm	gray	**ST 2,5-PCBV/12-G-5,2**	**1980585**	50

2.5 mm² COMBI PT plug-in connection solutions

COMBI connectors



- Extensive, optional snap-on accessories available
- Practical coding facility
- Large marking option
- Robust cable housings for strain relief on connecting cables are available

Notes:

[1]) For additional accessories and technical data, see page 262.

[2]) For derating curve, visit phoenixcontact.net/products

① ○——



24 A, connector, connection in plug-in direction

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	Height when plugged in
5.2 x Number of positions	**15.8**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
IEC	UL / CUL	CSA	Ex
500	300	300	-
24[2]) / 2.5	20 / / -	20 / -	-

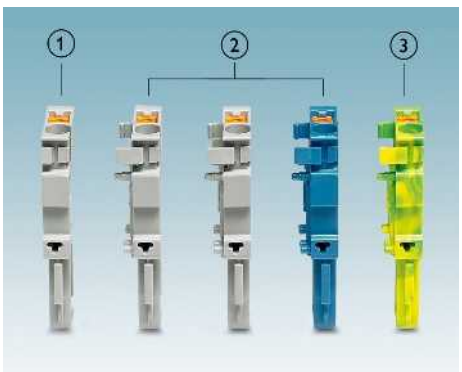
Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	5.2 mm	gray	**PP-H 2,5/ 1**	①	**3209866**	50
	2	10.4 mm	gray	**PP-H 2,5/ 2**	①	**3209879**	50
	3	15.6 mm	gray	**PP-H 2,5/ 3**	①	**3209882**	50
	4	20.8 mm	gray	**PP-H 2,5/ 4**	①	**3209895**	50
	5	26 mm	gray	**PP-H 2,5/ 5**	①	**3209905**	50
	6	31.2 mm	gray	**PP-H 2,5/ 6**	①	**3209918**	25
	7	36.4 mm	gray	**PP-H 2,5/ 7**	①	**3209921**	25
	8	41.6 mm	gray	**PP-H 2,5/ 8**	①	**3209934**	25
	9	46.8 mm	gray	**PP-H 2,5/ 9**	①	**3209947**	25
	10	52 mm	gray	**PP-H 2,5/10**	①	**3209950**	25
	11	57.2 mm	gray	**PP-H 2,5/11**	①	**3209963**	10
	12	62.4 mm	gray	**PP-H 2,5/12**	①	**3209976**	10
	13	67.6 mm	gray	**PP-H 2,5/13**	①	**3209989**	10
	14	72.8 mm	gray	**PP-H 2,5/14**	①	**3209992**	10
	15	78 mm	gray	**PP-H 2,5/15**	①	**3210004**	10
	1	5.2 mm	blue	**PP-H 2,5/ 1 BU**	①	**3210017**	50
	1	5.2 mm	green-yellow	**PP-H 2,5/ 1 GNYE**	①	**3210020**	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50
Screw flange cover, for SP–H ... and PP–H ... COMBI connectors	gray	**DF-SP-H 2,5**	**3209824**	50
Cable housing, for SP-H... and PP-H... COMBI connectors	gray	**PH 2,5/ 2**	**3209691**	50
3-pos.	gray	**PH 2,5/ 3**	**3209701**	50
4-pos.	gray	**PH 2,5/ 4**	**3209714**	50
5-pos.	gray	**PH 2,5/ 5**	**3209727**	50
6-pos.	gray	**PH 2,5/ 6**	**3209730**	25
7-pos.	gray	**PH 2,5/ 7**	**3209743**	25
8-pos.	gray	**PH 2,5/ 8**	**3209756**	25
9-pos.	gray	**PH 2,5/ 9**	**3209507**	25
10-pos.	gray	**PH 2,5/10**	**3209769**	25
11-pos.	gray	**PH 2,5/11**	**3209772**	10
12-pos.	gray	**PH 2,5/12**	**3209785**	10
13-pos.	gray	**PH 2,5/13**	**3209798**	10
14 pos.	gray	**PH 2,5/14**	**3209808**	10
15-pos.	gray	**PH 2,5/15**	**3209811**	10

COMBI connectors for self-assembly

- The push-in COMBI connectors for self-assembly provide solutions that users can implement themselves
- Robust cable housings for strain relief on connecting cables are available
- The connector is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.
  ① PP–H 2,5/S/1-L
  ② PP–H 2,5/S/1-M and PP–H 2,5/S/1-M BU
  ③ PP–H 2,5/S/1-R GNYE



Notes:

[1]) For additional accessories and technical data, see page 262.

[2]) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	Width	Length	Height	Height when plugged in
[mm]	**5.2 x Number of positions**	**15.8**	**39**	**24**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.14 - 4**	**26-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / / -	20 / -	-

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
COMBI connector, left element	1	gray	**PP-H 2,5/1-L**	①	**3210062**	50
	1	blue	**PP-H 2,5/1-L BU**	①	**3210075**	50
	1	green-yellow	**PP-H 2,5/1-L GNYE**	①	**3210088**	50
COMBI connector, center element	1	gray	**PP-H 2,5/1-M**	①	**3210091**	50
	1	blue	**PP-H 2,5/1-M BU**	①	**3210101**	50
	1	green-yellow	**PP-H 2,5/1-M GNYE**	①	**3210114**	50
COMBI connector, right element	1	gray	**PP-H 2,5/1-R**	①	**3210127**	50
	1	blue	**PP-H 2,5/1-R BU**	①	**3210130**	50
	1	green-yellow	**PP-H 2,5/1-R GNYE**	①	**3210143**	50

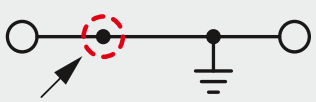
Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50
Screw flange cover, for SP-H... and PP-H... COMBI connectors	gray	**DF-SP-H 2,5**	**3209824**	50
Cable housing, for SP-H... and PP-H... COMBI connectors	gray	**PH 2,5/ 2**	**3209691**	50
3-pos.	gray	**PH 2,5/ 3**	**3209701**	50
4-pos.	gray	**PH 2,5/ 4**	**3209714**	50
5-pos.	gray	**PH 2,5/ 5**	**3209727**	50
6-pos.	gray	**PH 2,5/ 6**	**3209730**	25
7-pos.	gray	**PH 2,5/ 7**	**3209743**	25
8-pos.	gray	**PH 2,5/ 8**	**3209756**	25
9-pos.	gray	**PH 2,5/ 9**	**3209507**	25
10-pos.	gray	**PH 2,5/10**	**3209769**	25
11-pos.	gray	**PH 2,5/11**	**3209772**	10
12-pos.	gray	**PH 2,5/12**	**3209785**	10
13-pos.	gray	**PH 2,5/13**	**3209798**	10
14 pos.	gray	**PH 2,5/14**	**3209808**	10
15-pos.	gray	**PH 2,5/15**	**3209811**	10

General technical data for 4 mm² COMBI PT push-in connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 10			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Plug-in connection cross sections	[mm²]	0.5 - 6	-	0.5 - 4	0.5 - 4
General data					
Stripping length	[mm]	10 - 12			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

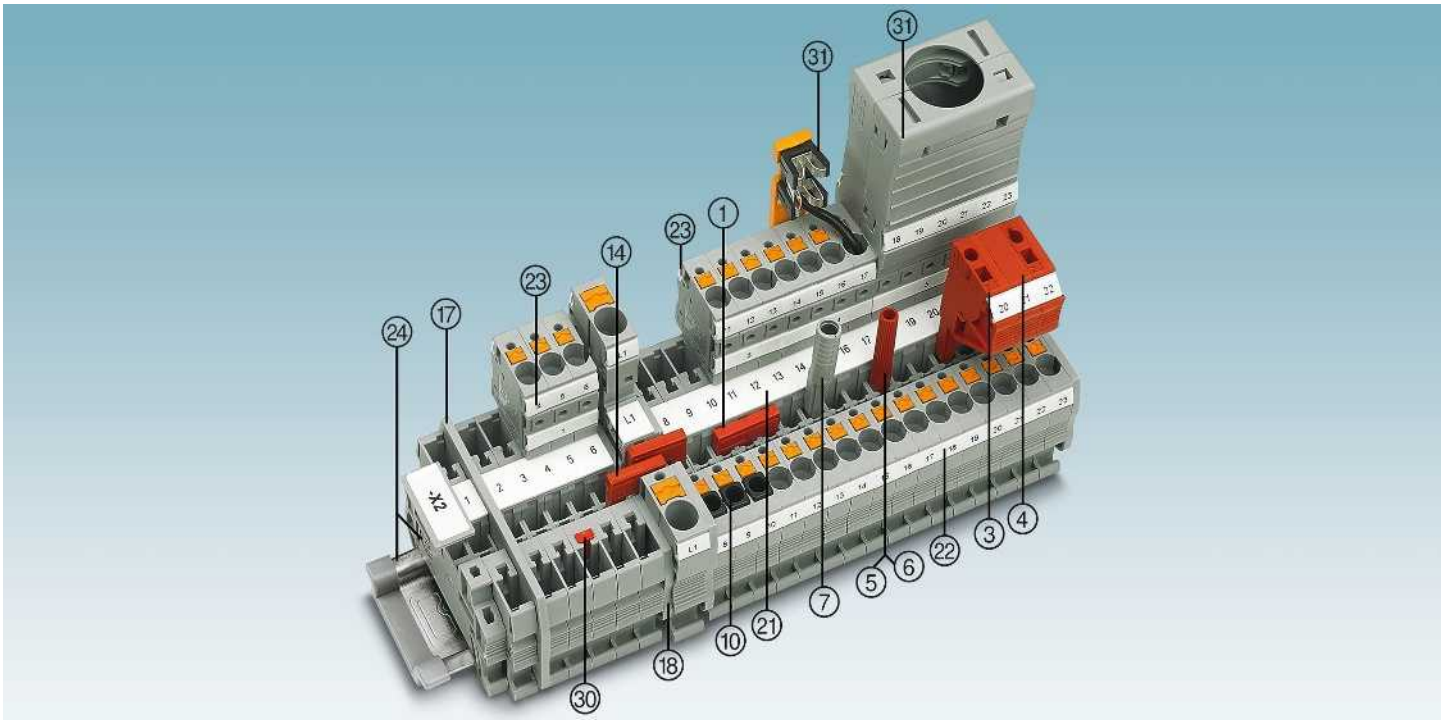


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 4 mm² COMBI PT push-in connection terminal blocks

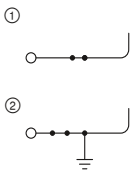


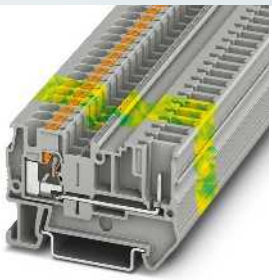
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-6**	**3030336**	50	**FBSR 2-6**	**3033715**	50
	3	red	**FBS 3-6**	**3030242**	50	**FBSR 3-6**	**3001594**	50
	4	red	**FBS 4-6**	**3030255**	50	**FBSR 4-6**	**3001595**	50
	5	red	**FBS 5-6**	**3030349**	50	**FBSR 5-6**	**3001596**	50
	10	red	**FBS 10-6**	**3030271**	10	**FBSR 10-6**	**3033716**	10
	20	red	**FBS 20-6**	**3030365**	10			
③ **Modular test plug**		red	**PS-6**	**3030996**	10			
④ **Spacer plate**		red	**DP PS-6**	**3036738**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑩ **Insulating sleeve**		gray	**ISH 4/0,5**	**3002885**	50			
0.75 - 1 mm²		black	**ISH 4/1,0**	**3002898**	50			
㉚ **Coding profile**		red	**PC**	**3040588**	50			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.**
㉓ **Lateral groove marking**	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉛ **Latching, strain relief, shielding**	**See page 312 onwards.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

PT COMBI feed-through terminal blocks

Notes:
1) For additional accessories and technical data, see page 270.
2) For derating curve, visit phoenixcontact.net/products





32 A, feed-through terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**56**	**36.5 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32[2])	**800**	**0.2 - 6** / **24-10**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	28 / -	28 / - / -

Ordering data

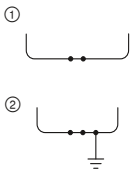
Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**PT 4/1P**	①	**3211937**	50
	blue	**PT 4/1P BU**	①	**3212007**	50
Ground terminal	green-yellow	**PT 4/1P-PE**	②	**3211942**	50

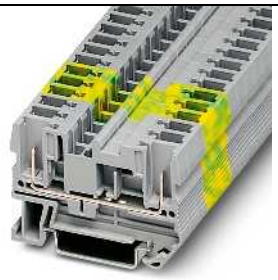
Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 4**	**3030420**	50

Feed-through terminal blocks and ground terminals

Notes:
1) For additional accessories and technical data, see page 270.
2) For derating curve, visit phoenixcontact.net/products





32 A, feed-through terminal block

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		6.2	**55.9**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**800**	**0.08 - 6**	**-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	-	-	-
Cross section range	AWG	28 - 10	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 4/ 2P**	①	**3042735**	50
	blue	**ST 4/ 2P BU**	①	**3043789**	50
Ground terminal	green-yellow	**ST 4/ 2P-PE**	②	**3042748**	50

Accessories[1])

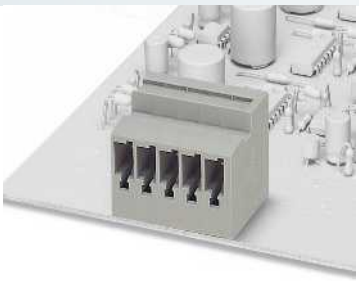
Cover, width 2.2 mm	gray	**D-ST 4**	**3030420**	50

4 mm² COMBI PT plug-in connection solutions

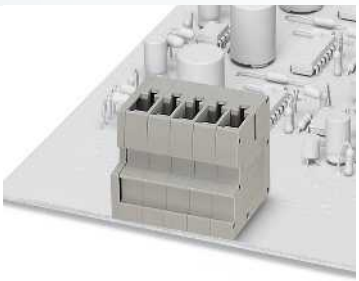
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



32 A, header, horizontal plug-in direction



32 A, header, vertical plug-in direction

Technical data

Dimensions				
	[mm]	Width	Length	Height
		12.4	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**800**	**-** / **-**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	- / -
Rated cross section	[mm²]	4		
General data				
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI header	2	12.4 mm	gray	**ST 4-PCB/ 2-G-6,2**	**1980598**	50
	3	18.9 mm	gray	**ST 4-PCB/ 3-G-6,2**	**1980608**	50
	4	24.8 mm	gray	**ST 4-PCB/ 4-G-6,2**	**1980611**	50
	5	31 mm	gray	**ST 4-PCB/ 5-G-6,2**	**1980624**	50
	6	37.2 mm	gray	**ST 4-PCB/ 6-G-6,2**	**1980637**	50
	7	43.4 mm	gray	**ST 4-PCB/ 7-G-6,2**	**1980640**	50
	8	49.6 mm	gray	**ST 4-PCB/ 8-G-6,2**	**1980653**	50
	9	55.8 mm	gray	**ST 4-PCB/ 9-G-6,2**	**1980666**	50
	10	62 mm	gray	**ST 4-PCB/10-G-6,2**	**1980679**	50
	11	68.2 mm	gray	**ST 4-PCB/11-G-6,2**	**1980682**	50
	12	74.4 mm	gray	**ST 4-PCB/12-G-6,2**	**1980695**	50

Technical data

Width	Length	Height	
12.4	**-**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**800**	**-**	**-**
IEC	UL / CUL	CSA	Ex
800	600	-	-
32 / 4	20 / -	-	-
4			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4-PCBV/ 2-G-6,2	**1980705**	50
ST 4-PCBV/ 3-G-6,2	**1980718**	50
ST 4-PCBV/ 4-G-6,2	**1980721**	50
ST 4-PCBV/ 5-G-6,2	**1980734**	50
ST 4-PCBV/ 6-G-6,2	**1980747**	50
ST 4-PCBV/ 7-G-6,2	**1980750**	50
ST 4-PCBV/ 8-G-6,2	**1980763**	50
ST 4-PCBV/ 9-G-6,2	**1980776**	50
ST 4-PCBV/10-G-6,2	**1980789**	50
ST 4-PCBV/11-G-6,2	**1980792**	50
ST 4-PCBV/12-G-6,2	**1980802**	50

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 270.
2) For derating curve, visit phoenixcontact.net/products

① ——○



4 (6) mm², 32 A, connector, connection in plug-in direction

① ——○



32 A, connector, connection in plug-in direction, for self-assembly

Technical data[1]

Dimensions				
	Width	Length	Height	Height when plugged in
[mm]	**6.2 x Number of positions**	**21**	**42.3**	**24**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32[2])	**800**	**0.2 - 6**	**24-10**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	-	-
Nominal current / cross section [A] / [mm²]	32[2]) / 4	28 / -	-	-

Technical data[1]

	Width	Length	Height	Height when plugged in
	6.2 x Number of positions	**21**	**42.3**	**24**
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32[2])	**800**	**0.2 - 6**	**24-10**
	IEC	UL / CUL	CSA	Ex
	800	600	-	-
	32[2]) / 4	28 / -	-	-

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	6.2 mm	gray	**PP-H 4/ 1**	①	**3212010**	50
	2	12.4 mm	gray	**PP-H 4/ 2**	①	**3212016**	50
	3	18.6 mm	gray	**PP-H 4/ 3**	①	**3212022**	50
	4	24.8 mm	gray	**PP-H 4/ 4**	①	**3212029**	50
	5	31 mm	gray	**PP-H 4/ 5**	①	**3212035**	50
	6	37.2 mm	gray	**PP-H 4/ 6**	①	**3212041**	25
	7	43.4 mm	gray	**PP-H 4/ 7**	①	**3212048**	25
	8	49.6 mm	gray	**PP-H 4/ 8**	①	**3212054**	25
	9	55.8 mm	gray	**PP-H 4/ 9**	①	**3212061**	25
	10	62 mm	gray	**PP-H 4/10**	①	**3212067**	25
	11	68.2 mm	gray	**PP-H 4/11**	①	**3212074**	10
	12	74.4 mm	gray	**PP-H 4/12**	①	**3212080**	10
	13	80.6 mm	gray	**PP-H 4/13**	①	**3212087**	10
	14	86.8 mm	gray	**PP-H 4/14**	①	**3212093**	10
	15	93 mm	gray	**PP-H 4/15**	①	**3212100**	10
	1	6.2 mm	blue	**PP-H 4/ 1 BU**	①	**3212077**	50
	1	6.2 mm	green-yellow	**PP-H 4/ 1 GNYE**	①	**3212088**	50
COMBI connector, left element	1	6.2 mm	gray	**PP-H 4/ 1-L**	①	**3211948**	50
	1	6.2 mm	blue	**PP-H 4/ 1-L BU**	①	**3211951**	50
	1	6.2 mm	green-yellow	**PP-H 4/ 1-L GNYE**	①	**3211958**	50
COMBI connector, center element	1	6.2 mm	gray	**PP-H 4/ 1-M**	①	**3211965**	50
	1	6.2 mm	blue	**PP-H 4/ 1-M BU**	①	**3211964**	50
	1	6.2 mm	green-yellow	**PP-H 4/ 1-M GNYE**	①	**3211971**	50
COMBI connector, right element	1	6.2 mm	gray	**PP-H 4/ 1-R**	①	**3211977**	50
	1	6.2 mm	blue	**PP-H 4/ 1-R BU**	①	**3211980**	50
	1	6.2 mm	green-yellow	**PP-H 4/ 1-R GNYE**	①	**3211987**	50

Accessories[1]

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50
Cable housing, for PP–H 4... COMBI connectors	gray	**PH 4/2**	**3000734**	50
	gray	**PH 4/3**	**3000736**	50
	gray	**PH 4/4**	**3000737**	50
	gray	**PH 4/5**	**3000738**	50
	gray	**PH 4/6**	**3000739**	25
	gray	**PH 4/7**	**3000740**	25
	gray	**PH 4/8**	**3000741**	25
	gray	**PH 4/9**	**3000742**	25
	gray	**PH 4/10**	**3000743**	25

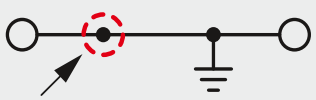
Accessories[1]

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PH 4/2	**3000734**	50
PH 4/3	**3000736**	50
PH 4/4	**3000737**	50
PH 4/5	**3000738**	50
PH 4/6	**3000739**	25
PH 4/7	**3000740**	25
PH 4/8	**3000741**	25
PH 4/9	**3000742**	25
PH 4/10	**3000743**	25

General technical data for 6 mm² COMBI PT push-in connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm²]	6			
Cross section range	AWG	20 - 8			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Plug-in connection cross sections	[mm²]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	12			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

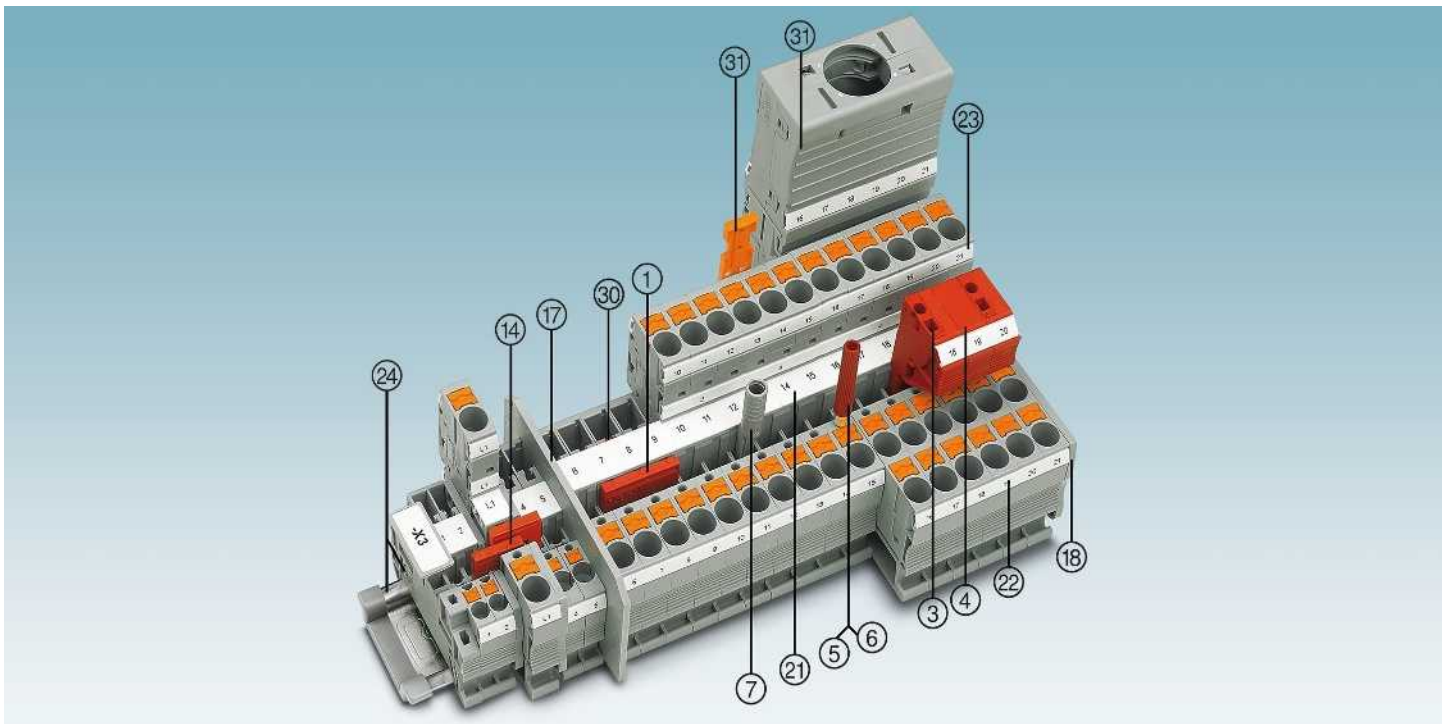


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 6 mm² COMBI PT push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-8**	**3030284**	10	**FBSR 2-8**	**3033808**	10
	3	red	**FBS 3-8**	**3030297**	10	**FBSR 3-8**	**3001597**	10
	4	red	**FBS 4-8**	**3030307**	10	**FBSR 4-8**	**3000585**	10
	5	red	**FBS 5-8**	**3030310**	10	**FBSR 5-8**	**3033809**	10
	10	red	**FBS 10-8**	**3030323**	10	**FBSR 10-8**	**3001599**	10
	16	red				**FBSR 16-8**	**3033816**	10
③ **Modular test plug**		red	**PS-8**	**3031005**	10			
④ **Spacer plate**		red	**DP PS-8**	**3036741**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
㉚ **Coding profile**		red	**PC**	**3040588**	50			
Screwdriver			**SZF 2-0,8X4,0**	**1204520**	10			

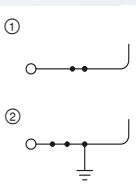
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100.**
㉓ **Lateral groove marking**	**UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉛ **Latching, strain relief, shielding**	**See page 312.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

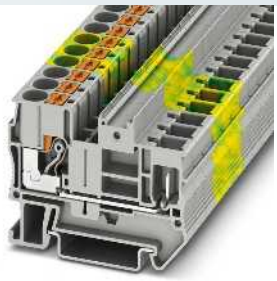
Feed-through and multi-conductor terminal blocks and ground terminals

Notes:

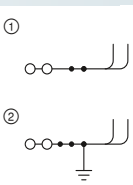
[1]) For additional accessories and technical data, see page 274.

[2]) For derating curve, visit phoenixcontact.net/products





41 A, feed-through terminal block





41 A, feed-through terminal block, 4 connections

Technical data[1])							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**8.2**	**57.7**	**43.5 (NS 35/7,5)**		**8.2**	**99.8**	**43.5 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41[2])	**1000**	**0.5 - 10**	**20-8**	**41**	**1000**	**0.5 - 10**	**20-8**
Max. bridge current [A]	41 (FBS)				41 (FBS)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	-	1000	600	600	-
Nominal current / cross section [A] / [mm²]	41[2]) / 6	40 / -	40 / -	-	41[2]) / 6	40 / -	40 / -	-

Ordering data					Ordering data			
Description	Color	**Type**		**Order No.**	Pcs. / Pkt.	**Type**		**Order No.**	Pcs. / Pkt.
Terminal block	gray	**PT 6/1P**	①	**3061758**	50	**PT 6-QUATTRO/2P**	①	**3061826**	50
	blue	**PT 6/1P BU**	①	**3061761**	50	**PT 6-QUATTRO/2P BU**	①	**3061839**	50
Ground terminal	green-yellow	**PT 6/1P-PE**	②	**3061774**	50	**PT 6-QUATTRO/2P-PE**	②	**3061842**	50

Accessories[1])				Accessories[1])			
Cover, width 2.2 mm	gray	**D-PT 6**	**3212044**	50	**D-PT 6-QUATTRO/2P**	**3061855**	50

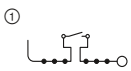
Test disconnect terminal blocks

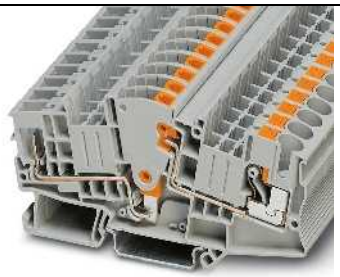
Notes:

[1]) For additional accessories and technical data, see page 274.

[2]) For derating curve, visit phoenixcontact.net/products

For pre-assembled jumpers, see phoenixcontact.net/products





30 A, test disconnect terminal block

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**8.2**	**99.4**	**49.6 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30[2])	**500**	**0.5 - 10**	**20-8**
Max. bridge current [A]	41 (FBS) / 32 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	30[2]) / 6	30 / -	30 / -	-

Ordering data				
Description	Color	**Type**	**Order No.**	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	gray	**PTME 6/1P** ①	**3212306**	50

Accessories[1])			
Cover, width 2.2 mm	gray	**D-PTME 6/1P**	**3212307**	10

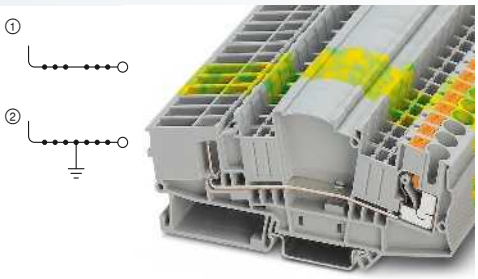
Test disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 274.



30 A, current transformer disconnect terminal block, for short-circuit plugs



30 A, feed-through terminal block, for short-circuit plugs

Technical data[1])							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**8.2**	**114.9**	**49.6 (NS 35/7,5)**		**8.2**	**114.9**	**49.6 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**500**	**0.5 - 10**	**20-8**	**30**	**500**	**0.5 - 10**	**20-8**
Max. bridge current [A]	41 (FBS) / 32 (FBSR)				41 (FBS) / 32 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-	500	600	600	-
Nominal current / cross section [A] / [mm²]	30 / 6	30 / -	30 / -	-	30 / 6	30 / -	30 / -	-

Ordering data							
Description	Color	Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
Disconnect terminal block	gray	**PTME 6-CT/1P**	①	**3212300**	50				
Feed-through terminal block	gray					**PTMED 6-CT/1P**	①	**3212301**	50
Ground terminal	green-yellow					**PTMED 6-CT/1P-PE**	②	**3212302**	50

Accessories[1])					
Cover, width 2.2 mm	gray	**D-PTME 6-CT/1P**	**3212303**	10	**D-PTME 6-CT/1P**	**3212303**	10

Connector, with integrated short-circuit function

Notes:

[1]) For additional accessories and technical data, see page 274.



20 A, connector, 2-pos.

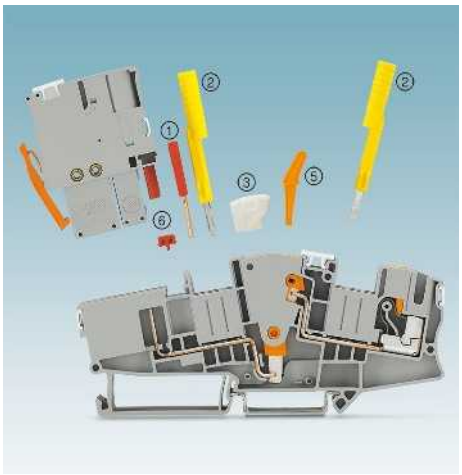


20 A, connector, 3-pos.

Technical data[1])							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**16.4**	**38.5**	**48.5**		**24.6**	**38.5**	**48.5**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**320**	**0.5 - 10**	**20-8**	**20**	**320**	**0.5 - 10**	**20-8**
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	320	600	600	-	320	600	600	-
Nominal current / cross section [A] / [mm²]	20 / 6	30 / -	30 / -	-	20 / 6	30 / -	30 / -	-

Ordering data							
Description	Color	Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
COMBI connector, with integrated short-circuit function, 2-pos.	gray	**PPCT 6/2**	①	**3212304**	10				
3-pos.	gray					**PPCT 6/3**	①	**3212305**	10

Supplementary accessories for PTME 6-CT/1P test disconnect terminal blocks



– Current transformer measuring circuit can be created using just two PTME 6-CT/1P
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... jumper for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switching jumper
⑤ C-ME 6/2 connection bridge
⑥ PC-CT 6... coding set

Notes:

[1]) The coding set can be used to code up to 30 plugs.

Description	No. of pos.	Color	Ordering data: Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	**PAI-4-FIX-5/6 OG**	**3035974**	10
	1	yellow	**PAI-4-FIX-5/6 YE**	**3035977**	10
	1	green	**PAI-4-FIX-5/6 GN**	**3035978**	10
	1	violet	**PAI-4-FIX-5/6 VT**	**3035979**	10
	1	black	**PAI-4-FIX-5/6 BK**	**3035980**	10
	1	blue	**PAI-4-FIX-5/6 BU**	**3035975**	10
	1	red	**PAI-4-FIX-5/6 RD**	**3035976**	10
	1	gray	**PAI-4-FIX-5/6 GY**	**3035982**	10
	1	brown	**PAI-4-FIX-5/6 BN**	**3035981**	10
Switching lock, plug-in		white	**S-ME 6**	**3034439**	10
Switching jumper, plug-in	2	gray/orange	**SB-ME 2-8**	**3034468**	10
	3	gray/orange	**SB-ME 3-8**	**3032800**	10
	4	gray/orange	**SB-ME 4-8**	**3034484**	10
Operating lever, for actuating test disconnect terminal blocks		orange	**C-ME 6/1**	**3034441**	10
	2	orange	**C-ME 6/2**	**3034442**	10
	3	orange	**C-ME 6/3**	**3034390**	50
Coding set, for 2-pos. plugs[1])		red	**PC-CT 6/2**	**3212308**	1

6 mm² COMBI PT plug-in connection solutions

Couplings

Notes:

[1]) For additional accessories and technical data, see page 274.

① —○



41 A, coupling

① —○



41 A, coupling, for self-assembly

Dimensions		
	[mm]	
Max. electrical data		
Rated data		
Rated voltage	[V]	
Nominal current / cross section	[A] / [mm²]	

Technical data[1])

Width	Length	Height	
8.2 x Number of positions	**47**	**24.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**1000**	**0.5 - 10**	**20-8**
IEC	UL / CUL	CSA	Ex
1000	600	600	-
41 / 6	40	36	-

Technical data[1])

Width	Length	Height	
8.2 x Number of positions	**47**	**24.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**1000**	**0.5 - 10**	**20-8**
IEC	UL / CUL	CSA	Ex
1000	600	600	-
41 / 6	40	36	-

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
COMBI header	2	16.4 mm	gray	**PPC 6/2**	①	**3000693**	25
	3	24.6 mm	gray	**PPC 6/3**	①	**3000694**	25
	4	32.8 mm	gray	**PPC 6/4**	①	**3000695**	25
	5	41 mm	gray	**PPC 6/5**	①	**3000697**	25
	6	49.2 mm	gray	**PPC 6/6**	①	**3000698**	25
	7	57.4 mm	gray	**PPC 6/7**	①	**3000699**	25
	8	65.6 mm	gray	**PPC 6/8**	①	**3000700**	25
	9	73.8 mm	gray	**PPC 6/9**	①	**3000701**	25
	10	82 mm	gray	**PPC 6/10**	①	**3000702**	25
COMBI coupling, for self-assembly	1	8.2 mm	gray	**PPC 6/1-L**	①	**3000690**	50
	1	8.2 mm	blue	**PPC 6/1-L BU**	①	**3000691**	50
	1	8.2 mm	green/yellow	**PPC 6/1-L GNYE**	①	**3000692**	50

Ordering data

Ordering data

Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Cover, width 2.2 mm	gray	**D-PPC 6**	**3000703**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50

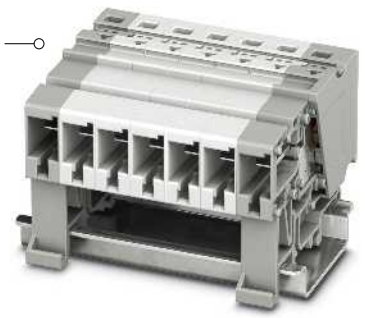
Accessories[1])

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
D-PPC 6	**3000703**	10
PC	**3040588**	50
PZ/2	**3040627**	50

Couplings

Notes:

[1]) For additional accessories and technical data, see page 274.

① 

41 A, coupling for DIN rail mounting

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**8.2**	**27**	**38 (NS 35/7,5) / 38 (NS 15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**1000**	**0.5 - 10**	**20-8**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	41 / 6	40	36	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
COMBI header	gray	**PPC 6-NS/1-L**	①	**3000689**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-PPC 6**		**3000703**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**		**3040588**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**		**3040627**	50

COMBI connectors

Notes:
[1]) For additional accessories and technical data, see page 274.
[2]) For derating curve, visit phoenixcontact.net/products

① ——○



41 A, connector, connection in plug-in direction

① ——○



41 A, connector, connection in plug-in direction, for self-assembly

Dimensions		Technical data[1])			
	[mm]	Width	Length	Height	Height when plugged in
		8.2 x Number of positions	**21**	**49.3**	**31.2**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41[2])	**1000**	**0.5 - 10**	**20-8**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	41[2]) / 6	40 / -	40 / -	-

Dimensions		Technical data[1])			
	[mm]	Width	Length	Height	Height when plugged in
		8.2 x Number of positions	**21**	**49.3**	**31.2**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41[2])	**1000**	**0.5 - 10**	**20-8**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	41[2]) / 6	40 / -	40 / -	-

Description	No. of pos.	Width	Color	Ordering data			
				Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	8.2 mm	gray	**PP-H 6/ 1**	①	**3061541**	50
	2	16.4 mm	gray	**PP-H 6/ 2**	①	**3061570**	50
	3	24.6 mm	gray	**PP-H 6/ 3**	①	**3061583**	50
	4	32.8 mm	gray	**PP-H 6/ 4**	①	**3061596**	50
	5	41 mm	gray	**PP-H 6/ 5**	①	**3061606**	50
	6	49.2 mm	gray	**PP-H 6/ 6**	①	**3061619**	25
	7	57.4 mm	gray	**PP-H 6/ 7**	①	**3061622**	25
	8	65.6 mm	gray	**PP-H 6/ 8**	①	**3061635**	25
	9	73.8 mm	gray	**PP-H 6/ 9**	①	**3061648**	25
	10	8.2 mm	gray	**PP-H 6/10**	①	**3061651**	25
	1	8.2 mm	blue	**PP-H 6/ 1 BU**	①	**3061554**	50
	1	8.2 mm	green-yellow	**PP-H 6/ 1 GNYE**	①	**3061567**	50
COMBI connector, left element	1	8.2 mm	gray	**PP-H 6/ 1-L**	①	**3061664**	50
	1	8.2 mm	gray	**PP-H 6/ 1-L BU**	①	**3061677**	50
	1	8.2 mm	gray	**PP-H 6/ 1-L GNYE**	①	**3061680**	50
COMBI connector, center element	1	8.2 mm	gray	**PP-H 6/ 1-M**	①	**3061693**	50
	1	8.2 mm	gray	**PP-H 6/ 1-M BU**	①	**3061703**	50
	1	8.2 mm	gray	**PP-H 6/ 1-M GNYE**	①	**3061716**	50
COMBI connector, right element	1	8.2 mm	gray	**PP-H 6/ 1-R**	①	**3061729**	50
	1	8.2 mm	gray	**PP-H 6/ 1-R BU**	①	**3061732**	50
	1	8.2 mm	gray	**PP-H 6/ 1-R GNYE**	①	**3061745**	50

		Accessories[1])		
		MPS-MT	**0201744**	10
Test plug metal part, 2.3 mm Ø	silver			
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50
Cable housing, for PP–H 6... COMBI connectors	gray	**PH 6/2**	**3000680**	25
3-pos.	gray	**PH 6/3**	**3000681**	25
4-pos.	gray	**PH 6/4**	**3000682**	25
5-pos.	gray	**PH 6/5**	**3000683**	25
6-pos.	gray	**PH 6/6**	**3000684**	10
7-pos.	gray	**PH 6/7**	**3000685**	10

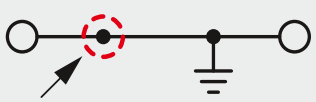
		Accessories[1])		
		MPS-MT	**0201744**	10
		MPS-IH RD	**0201676**	10
		PRZ	**3040614**	50
		PR	**3040559**	50
		PR/2	**3040630**	50
		PZ/2	**3040627**	50
		PH 6/2	**3000680**	25
		PH 6/3	**3000681**	25
		PH 6/4	**3000682**	25
		PH 6/5	**3000683**	25
		PH 6/6	**3000684**	10
		PH 6/7	**3000685**	10

2.5 mm² COMBI ST plug-in connection solutions

General technical data for 2.5 mm² COMBI ST spring-cage connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	28 - 12			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

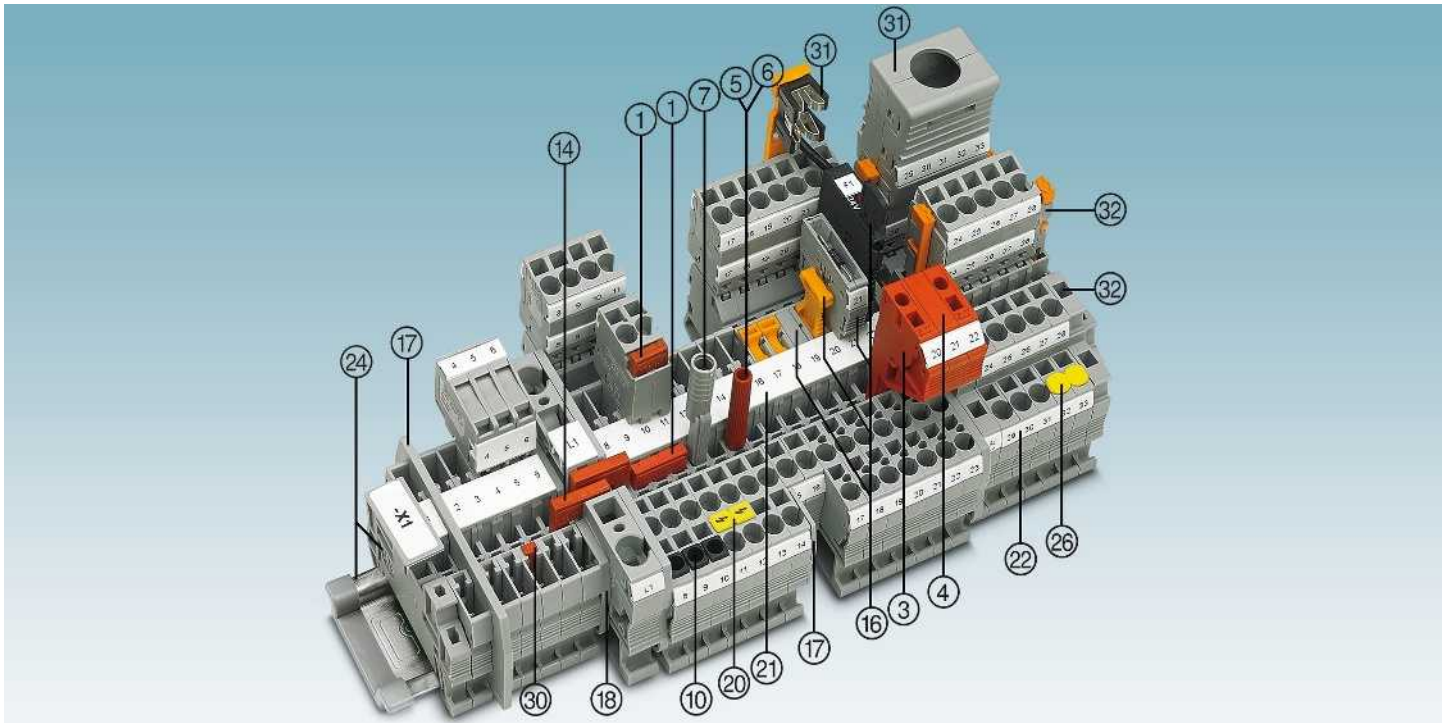


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 2.5 mm² COMBI ST spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-5**	**3030161**	50	**FBSR 2-5**	**3033702**	50
	3	red	**FBS 3-5**	**3030174**	50	**FBSR 3-5**	**3001591**	50
	4	red	**FBS 4-5**	**3030187**	50	**FBSR 4-5**	**3001592**	50
	5	red	**FBS 5-5**	**3030190**	50	**FBSR 5-5**	**3001593**	50
	10	red	**FBS 10-5**	**3030213**	10	**FBSR 10-5**	**3033710**	10
	20	red	**FBS 20-5**	**3030226**	10			
③ **Modular test plug**		red	**PS-5**	**3030983**	10			
④ **Spacer plate**		red	**DP PS-5**	**3036725**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑩ **Insulating sleeve**		white	**ISH 2,5/0,2**	**3002843**	50			
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	**3002856**	50			
0.75 - 1 mm²		black	**ISH 2,5/1,0**	**3002869**	50			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑯ **Fuse and function plugs for disconnect terminal blocks**	**For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
⑳ **Warning labels**	**For WS ..., see page 353.**
㉑ **Center groove marking**	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉖ **Cover for conductor shaft**	**For CEC ..., see page 348.**
㉛ **Latching, strain relief, shielding**	**See page 312 onwards.**
㉜ **Screw flanges, screw flange cover**	**See page 320 onwards.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

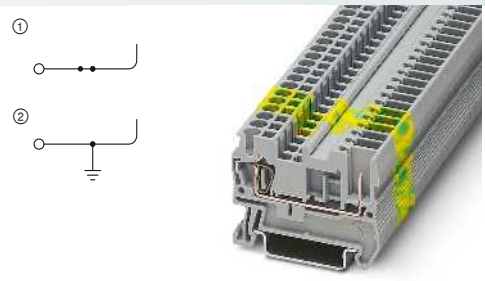
Notes:

[1]) For additional accessories and technical data, see page 282.

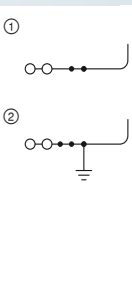
[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 320.

For self-locking flange, see page 319.



24 A, feed-through terminal block





24 A, feed-through terminal block, 3 connections

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	48.5	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24[2])	500	0.08 - 4 / 28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	300 / -
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5/ 1P**	①	**3040012**	50
	blue	**ST 2,5/ 1P BU**	①	**3040656**	50
Ground terminal	green-yellow	**ST 2,5/ 1P-PE**	②	**3040025**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5**	**3030417**	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	60.5	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	500	0.08 - 4 / 28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-TWIN/ 1P**	①	**3042117**	50
	blue	**ST 2,5-TWIN/ 1P BU**	①	**3042104**	50
Ground terminal	green-yellow	**ST 2,5-TWIN/ 1P-PE**	②	**3042120**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-TWIN**	**3030488**	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

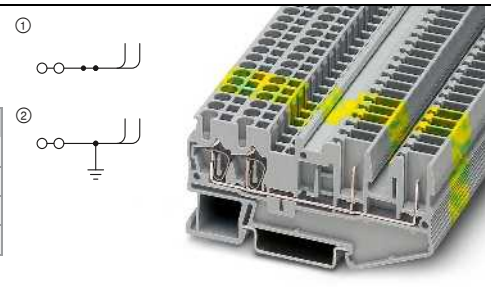
Notes:

[1]) For additional accessories and technical data, see page 282.

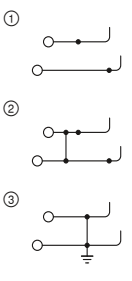
[2]) For derating curve, visit phoenixcontact.net/products

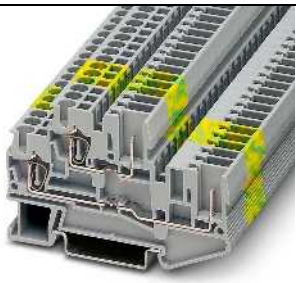
For screw flange, see page 320.

For self-locking flange, see page 319.



24 A, feed-through terminal block, 4 connections





22 A, feed-through terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	81	36.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	500	0.08 - 4 / 28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-QUATTRO/2P**	①	**3040038**	50
	blue	**ST 2,5-QUATTRO/2P BU**	①	**3040669**	50
With potential distribution	gray				
	blue				
Ground terminal	green-yellow	**ST 2,5-QUATTRO/2P-PE**	②	**3040041**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO/ 2P**	**3040083**	50

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	71.5	47.5 (NS 35/7,5)
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		22[2])	500	0.08 - 4 / 28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	22[2]) / 2.5	20 / -	20 / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**STTB 2,5/2P**	①	**3040054**	50
	blue	**STTB 2,5/2P BU**	①	**3040672**	50
With potential distribution	gray	**STTB 2,5/2P-PV**	②	**3040070**	50
	blue	**STTB 2,5/2P-PV BU**	②	**3040685**	50
Ground terminal	green-yellow	**STTB 2,5/2P-PE**	③	**3040067**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-STTB 2,5/ 2P**	**3040096**	50

2.5 mm² COMBI ST plug-in connection solutions

Multi-level terminal blocks

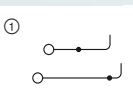
Notes:

[1]) For additional accessories and technical data, see page 282.

[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 320.

For self-locking flange, see page 319.





22 A, feed-through terminal block





22 A, feed-through terminal block, with equipotential bonding

Technical data[1])			
Width	Length	Height	
5.2	**71.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[2])	**500**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	-	-
22[2]) / 2.5	20 / -	20 / -	-

Technical data[1])			
Width	Length	Height	
5.2	**71.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[2])	**500**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	-	-
22[2]) / 2.5	20 / -	-	-

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Terminal block, with marking groove on the plug-in side	gray
	blue
	gray
Ground terminal, with marking groove on the plug-in side	green/yellow

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
STTB 2,5/2P SO	①	**3040892**	50
STTB 2,5/2P BU SO	①	**3040902**	50
STTB 2,5/2P-PE SO		**3040915**	50

Accessories[1])			
D-STTB 2,5/ 2P		**3040096**	50

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
STTB 2,5/2P-PV SO	①	**3040928**	50

Accessories[1])			
D-STTB 2,5/ 2P		**3040096**	50

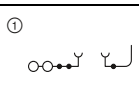
Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 282.

[2]) Current and voltage are determined by the connector used.

[3]) For derating curve, visit phoenixcontact.net/products





20 A, disconnect terminal block, 3 connections





20 A, knife disconnect terminal block, 3 connections

Technical data[1])			
Width	Length	Height	
5.2	**81**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20[3])	**400[2])**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400[2])	600	300	-
20[3]) / 2.5	20 / -	20 / -	-

Technical data[1])			
Width	Length	Height	
5.2	**81**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20[3])	**400**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	600	300	-
20[3]) / 2.5	20 / -	20 / -	-

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Disconnect terminal block	gray
Knife disconnect terminal block	gray

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
ST 2,5-TWIN-TG/1P	①	**3040847**	50

Accessories[1])			
D-ST 2,5-QUATTRO/ 2P		**3040083**	50

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
ST 2,5-TWIN-MT/1P	①	**3040766**	50

Accessories[1])			
D-ST 2,5-QUATTRO/ 2P		**3040083**	50

Cover, width 2.2 mm	gray

Multi-level terminal blocks

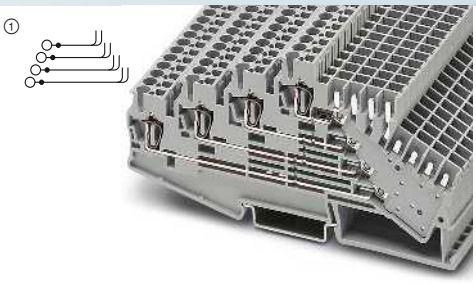
Notes:

[1]) For additional accessories and technical data, see page 282.

[2]) For derating curve, visit phoenixcontact.net/products



10 A, four-level terminal block



10 A, four-level terminal block, two slots

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**101**	**59 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**250**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
250	300	300	-
10[2]) / 1.5	10 / -	10 / -	-

Technical data[1])

Width	Length	Height	
5.2	**120.5**	**59 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**250**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
250	300	300	-
10[2]) / 1.5	10 / -	10 / -	-

Description	Color
Terminal block	gray
	gray
with securing pin	gray

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 2,5-4L/1P	①	**3041985**	50
ST 2,5-PE/3L/1P	②	**3041969**	50

Ordering data

Type		Order No.	Pcs. / Pkt.
ST 2,5-4L/2P	①	**3042007**	50
ST 2,5-4L/2P-Z	①	**3041998**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-4L/1P**	**3041930**	50

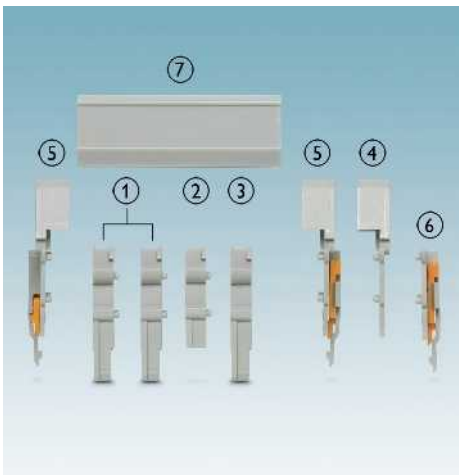
Accessories[1])

		D-ST 2,5-4L/2P	**3041927**	50

Connector housing for four-level terminal block

Notes:

In order to crimp STG-MTN... modular socket contacts, the CRIMPFOX MT 2,5 (Order No. 1204038) must be used.



① 4-pos. connector with CP–H 2,5-4L-Z engagement pin
② DP-CP-H 2,5-4L spacer plate
③ CP-H 2,5-4L 4-pos. connector
④ D-CP-H 2,5-4L cover profile carrier
⑤ DFS-CP-H 2,5-4L cover profile carrier with self-locking flange cover
⑥ DFS-CP 2,5-4L self-locking flange cover
⑦ AP-CP-H cover profile



Connector housing, for accommodating four socket contacts

Description	Color
Connector housing, for accommodating 4 socket contacts	gray
	gray
Connector housing with engagement pin	gray
	gray
Self-locking flange, can be marked with UC-TM	gray
Spacer plate	gray
Cover profile, 1 m, can be marked with UC-TM ...	
	gray
Cover profile carrier	gray
Cover profile carrier, with self-locking flange cover	gray
Self-locking flange cover	gray
Module socket contact, 0.5 - 1 mm²	silver
For conductors from 1.5 ... 2.5 mm²	silver

Ordering data

Type	Order No.	Pcs. / Pkt.
CP-H 2,5-4L	**3012313**	50
CP-H 2,5-4L-PE	**3012323**	50
CP-H 2,5-4L-Z	**3012314**	50
CP-H 2,5-4L-Z-PE	**3012324**	50

Accessories

PT 2,5-4L/1P-FS		**3012302**	10
DP-CP-H 2,5-4L		**3012319**	50
AP-CP-H	**METER**	**3012315**	10
D-CP-H 2,5-4L		**3012320**	50
DFS-CP-H 2,5-4L		**3012317**	50
DFS-CP 2,5-4L		**3012321**	50
STG-MTN 0,5-1,0		**3190438**	100
STG-MTN 1,5-2,5		**3190506**	100

2.5 mm² COMBI ST plug-in connection solutions

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

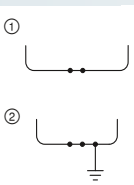
Notes:

[1]) For additional accessories and technical data, see page 282.

[2]) For derating curve, visit phoenixcontact.net/products

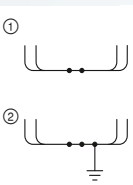
For screw flange, see page 320.

For self-locking flange, see page 319.





24 A, feed-through terminal block





24 A, feed-through terminal block, 4 connections

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**49.1**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**89.5**	**36.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-

		Ordering data			
Description	Color	**Type**		**Order No.**	Pcs. / Pkt.
Terminal block	gray	**ST 2,5/2P**	①	**3042133**	50
	blue	**ST 2,5/2P BU**	①	**3042094**	50
Ground terminal	green-yellow	**ST 2,5/2P-PE**	②	**3042146**	50

		Ordering data			
Description	Color	**Type**		**Order No.**	Pcs. / Pkt.
Terminal block	gray	**ST 2,5-QUATTRO/4P**	①	**3042159**	50
	blue	**ST 2,5-QUATTRO/4P BU**	①	**3042081**	50
Ground terminal	green-yellow	**ST 2,5-QUATTRO/4P-PE**	②	**3042162**	50

		Accessories[1])			
Cover, width 2.2 mm	gray	**D-ST 2,5**		**3030417**	50

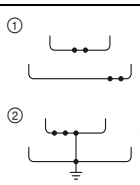
		Accessories[1])			
		D-ST 2,5-QUATTRO/4P		**3042175**	50

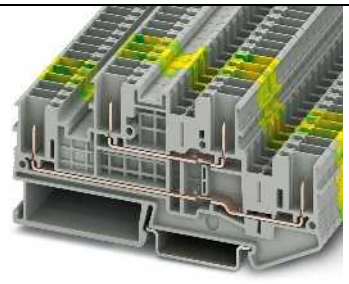
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

Notes:

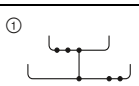
[1]) For additional accessories and technical data, see page 282.

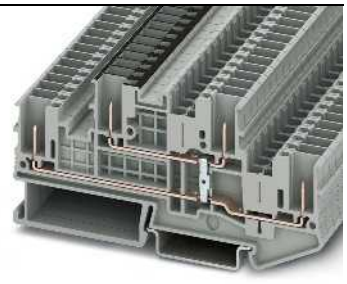
[2]) For derating curve, visit phoenixcontact.net/products





22 A, double-level terminal block





22 A, double-level terminal block with equipotential bonding

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22[2])	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	22[2]) / 2.5	20 / -	20 / -	-

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / -	-

		Ordering data			
Description	Color	**Type**		**Order No.**	Pcs. / Pkt.
Terminal block	gray	**STTB 2,5/4P**	①	**3061486**	50
	blue	**STTB 2,5/4P BU**	①	**3061512**	50
	gray				
Ground terminal	green-yellow	**STTB 2,5/4P-PE**	②	**3061499**	50

		Ordering data			
		Type		**Order No.**	Pcs. / Pkt.
		STTB 2,5/4P-PV	①	**3061509**	50

		Accessories[1])			
Cover, width 2.2 mm		**D-STTB 2,5/4P**		**3061538**	50

		Accessories[1])			
		D-STTB 2,5/4P		**3061538**	50

Couplings

– For secure and space-saving accommodation of plug contacts in cable ducts and distributor shafts
– Test hole in every coupling disc, to accommodate a test plug with a 2.3 mm diameter

Notes:

[1]) For additional accessories and technical data, see page 282.

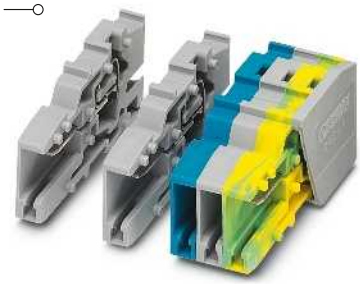
[2]) For derating curve, visit phoenixcontact.net/products

① —○



24 A, coupling

① —○



24 A, coupling, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2 x Number of positions	**37.2**	**18.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24[2])	**500**	**0.08 - 4 / 26-12**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	- / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2 x Number of positions	**37.2**	**21.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24[2])	**500**	**0.08 - 4 / 26-12**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	- / -

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
COMBI header	2	gray	**SC 2,5/ 2**	①	**3041312**	50
	3	gray	**SC 2,5/ 3**	①	**3042269**	50
	4	gray	**SC 2,5/ 4**	①	**3042272**	50
	5	gray	**SC 2,5/ 5**	①	**3042285**	50
	6	gray	**SC 2,5/ 6**	①	**3042298**	25
	7	gray	**SC 2,5/ 7**	①	**3041367**	25
	8	gray	**SC 2,5/ 8**	①	**3042308**	25
	9	gray	**SC 2,5/ 9**	①	**3041383**	25
	10	gray	**SC 2,5/10**	①	**3042311**	25
	11	gray	**SC 2,5/11**	①	**3041406**	10
	12	gray	**SC 2,5/12**	①	**3042324**	10
	13	gray	**SC 2,5/13**	①	**3041422**	10
	14	gray	**SC 2,5/14**	①	**3041435**	10
	15	gray	**SC 2,5/15**	①	**3041448**	10
COMBI header	1	gray				
	1	blue				
	1	green-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
SC 2,5/ 1-L	①	**3042188**	50
SC 2,5/ 1-L BU	①	**3042191**	50
SC 2,5/ 1-L GNYE	①	**3042201**	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Cover, width 2.2 mm	gray			
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos.	black	**PDZ/2**	**3040562**	50
4-pos.	black	**PDZ/4**	**3040575**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50

Accessories[1])

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
D-SC 2,5	**3042243**	50
PDZ/2	**3040562**	50
PDZ/4	**3040575**	50
PC	**3040588**	50

Couplings

Notes:

[1]) For additional accessories and technical data, see page 282.

[2]) For derating curve, visit phoenixcontact.net/products

① —○



24 A, coupling with securing pin

① —○



24 A, coupling with securing pin, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2 x Number of positions	**37.2**	**21.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24[2])	**500**	**0.08 - 4 / 26-12**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	- / -

Technical data[1])

Width	Length	Height	
5.2 x Number of positions	**37.2**	**21.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.08 - 4**	**26-12**
IEC	UL / CUL	CSA	Ex
500	300	-	-
24[2]) / 2.5	20 / -	-	-

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
COMBI coupling, with securing pin	2	gray	**SC 2,5-RZ/ 2**	①	**3041516**	50
	3	gray	**SC 2,5-RZ/ 3**	①	**3041529**	50
	4	gray	**SC 2,5-RZ/ 4**	①	**3041532**	50
	5	gray	**SC 2,5-RZ/ 5**	①	**3041545**	50
	6	gray	**SC 2,5-RZ/ 6**	①	**3041558**	25
	7	gray	**SC 2,5-RZ/ 7**	①	**3041561**	25
	8	gray	**SC 2,5-RZ/ 8**	①	**3041574**	25
	9	gray	**SC 2,5-RZ/ 9**	①	**3041590**	25
	10	gray	**SC 2,5-RZ/10**	①	**3041587**	25
	11	gray	**SC 2,5-RZ/11**	①	**3041600**	10
	12	gray	**SC 2,5-RZ/12**	①	**3041613**	10
	13	gray	**SC 2,5-RZ/13**	①	**3041626**	10
	14	gray	**SC 2,5-RZ/14**	①	**3041639**	10
	15	gray	**SC 2,5-RZ/15**	①	**3041642**	10
COMBI coupling, with securing pin	1	gray				
	1	blue				
	1	green-yellow				

Ordering data

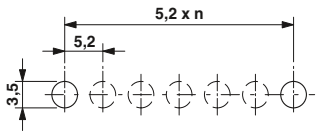
Type		Order No.	Pcs. / Pkt.
SC 2,5-RZ/ 1-L	①	**3042214**	50
SC 2,5-RZ/ 1-L BU	①	**3042227**	50
SC 2,5-RZ/ 1-L GNYE	①	**3042230**	50

Accessories[1])

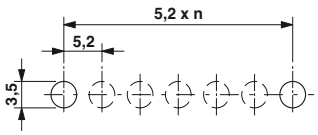
Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Cover, width 2.2 mm	gray			
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos.	black	**PDZ/2**	**3040562**	50
4-pos.	black	**PDZ/4**	**3040575**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50

Accessories[1])

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
D-SC 2,5	**3042243**	50
PDZ/2	**3040562**	50
PDZ/4	**3040575**	50
PC	**3040588**	50

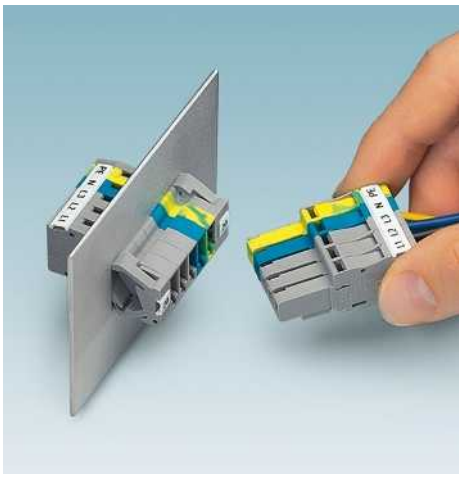


Drilling plan example: 1 x SC 2,5-RZ/ 6



Drilling plan example: 6 x SC 2,5-RZ/ 1-L

Panel feed-through for COMBI couplings





Snap coupling onto SSL 2,5 panel feed-through



Panel feed-through

- The panel feed-through can be used to securely fasten SC 2,5 and SC 4 free-hanging couplings in panel cutouts
- The panel feed-through elements are snapped onto the free-hanging couplings, and pushed into the panel cutout where they snap in automatically
- The coupling is finally fixed in placed by pressing shut the panel feed-through's actuation lever
- Can be used for plate thicknesses of 0.8 mm to 3 mm

Making the panel cutout

- The panel cutout is easy to produce. The height of the rectangular cutout is always the same, and the length depends on the number of positions of the coupling. There is no longer any need for additional bore holes for fixing screws as in previously common solutions.

Technical data

General data		
Plate thickness	[mm]	0.8 - 3
Section height	[mm]	16.6
Section width	[mm]	5.15 x number of positions + 13 (SC 2,5) 6.15 x number of positions + 14 (SC 4)
Insulating material		PA
Inflammability class according to UL 94		V0

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Panel feed-through, for snapping on to couplings, 1 SSL 2.5 consists of a left-hand and a right-hand element, for metal thicknesses of 0.8 - 3 mm	gray	**SSL 2,5**	**3043815**	50

Accessories

Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
Lateral groove marking		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		



Fit the coupling and SSL 2,5 in panel cutout



Fixing the coupling

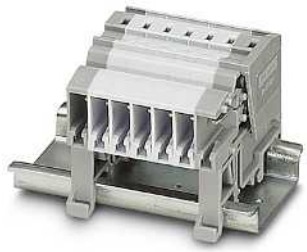
Couplings

– The terminal blocks are snapped onto the SC... free-hanging couplings as modules and can be used on the NS 15 as well as on the NS 35 DIN rail

Notes:

1) For additional accessories and technical data, see page 282.

2) For derating curve, visit phoenixcontact.net/products



24 A, coupling for DIN rail mounting

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**43.5**	**34 (NS 35/7,5) / 34 (NS 15)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.08 - 4**	**26-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	-	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
COMBI header	gray	**SC 2,5-NS/ 1-L**	①	**3042340**	50

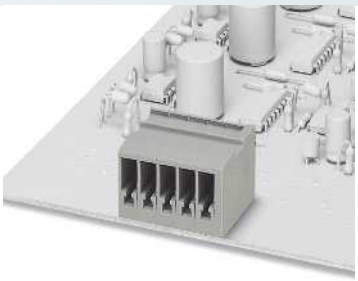
Accessories[1])

Cover, width 2.2 mm	gray	**D-SC 2,5**		**3042243**	50
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos.	black	**PDZ/2**		**3040562**	50
4-pos.	black	**PDZ/4**		**3040575**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**		**3040588**	50

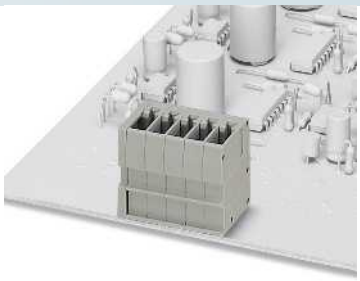
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



24 A, header, horizontal plug-in direction



24 A, header, vertical plug-in direction

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		10.4	**-**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section	[mm²]	2.5			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI header	2	10.4 mm	gray	**ST 2,5-PCB/ 2-G-5,2**	**1980378**	50
	3	15.6 mm	gray	**ST 2,5-PCB/ 3-G-5,2**	**1980381**	50
	4	20.8 mm	gray	**ST 2,5-PCB/ 4-G-5,2**	**1980394**	50
	5	26 mm	gray	**ST 2,5-PCB/ 5-G-5,2**	**1980404**	50
	6	31.2 mm	gray	**ST 2,5-PCB/ 6-G-5,2**	**1980417**	50
	7	36.4 mm	gray	**ST 2,5-PCB/ 7-G-5,2**	**1980420**	50
	8	41.6 mm	gray	**ST 2,5-PCB/ 8-G-5,2**	**1980433**	50
	9	46.8 mm	gray	**ST 2,5-PCB/ 9-G-5,2**	**1980446**	50
	10	52 mm	gray	**ST 2,5-PCB/10-G-5,2**	**1980459**	50
	11	57.2 mm	gray	**ST 2,5-PCB/11-G-5,2**	**1980462**	50
	12	62.4 mm	gray	**ST 2,5-PCB/12-G-5,2**	**1980475**	50

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		10.4	**-**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section	[mm²]	2.5			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI header	2	10.4 mm	gray	**ST 2,5-PCBV/ 2-G-5,2**	**1980488**	50
	3	15.6 mm	gray	**ST 2,5-PCBV/ 3-G-5,2**	**1980491**	50
	5	26 mm	gray	**ST 2,5-PCBV/ 5-G-5,2**	**1980514**	50
	6	31.2 mm	gray	**ST 2,5-PCBV/ 6-G-5,2**	**1980527**	50
	7	36.4 mm	gray	**ST 2,5-PCBV/ 7-G-5,2**	**1980530**	50
	8	41.6 mm	gray	**ST 2,5-PCBV/ 8-G-5,2**	**1980543**	50
	9	46.8 mm	gray	**ST 2,5-PCBV/ 9-G-5,2**	**1980556**	50
	10	52 mm	gray	**ST 2,5-PCBV/10-G-5,2**	**1980569**	50
	11	57.2 mm	gray	**ST 2,5-PCBV/11-G-5,2**	**1980572**	50
	12	62.4 mm	gray	**ST 2,5-PCBV/12-G-5,2**	**1980585**	50

2.5 mm² COMBI ST plug-in connection solutions

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products

① ——○



24 A, connector, connection in plug-in direction

① ——○



24 A, connector, connection in plug-in direction, for self-assembly

Dimensions		Technical data[1]) Width	Length	Height	Height when plugged in	Technical data[1]) Width	Length	Height	Height when plugged in
	[mm]	**5.2 x Number of positions**	**15.8**	**39**	**24**	**5.2 x Number of positions**	**15.8**	**39**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.08 - 4**	**28-12**	**24[2])**	**500**	**0.08 - 4**	**28-12**
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / / -	-	24[2]) / 2.5	20 / -	20 / / -	-

Description	No. of pos.	Width	Color	Ordering data Type		Order No.	Pcs. / Pkt.	Ordering data Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	5.2 mm	gray	**SP 2,5/ 1**	①	**3040258**	50				
	2	10.4 mm	gray	**SP 2,5/ 2**	①	**3040261**	50				
	3	15.6 mm	gray	**SP 2,5/ 3**	①	**3040274**	50				
	4	20.8 mm	gray	**SP 2,5/ 4**	①	**3040287**	50				
	5	26 mm	gray	**SP 2,5/ 5**	①	**3040290**	50				
	6	31.2 mm	gray	**SP 2,5/ 6**	①	**3040300**	25				
	7	36.4 mm	gray	**SP 2,5/ 7**	①	**3040313**	25				
	8	41.6 mm	gray	**SP 2,5/ 8**	①	**3040326**	25				
	9	46.8 mm	gray	**SP 2,5/ 9**	①	**3040339**	25				
	10	52 mm	gray	**SP 2,5/10**	①	**3040342**	25				
	11	57.2 mm	gray	**SP 2,5/11**	①	**3040355**	10				
	12	62.4 mm	gray	**SP 2,5/12**	①	**3040368**	10				
	13	67.6 mm	gray	**SP 2,5/13**	①	**3040371**	10				
	14	72.8 mm	gray	**SP 2,5/14**	①	**3040384**	10				
	15	78 mm	gray	**SP 2,5/15**	①	**3040397**	10				
	1	5.2 mm	blue	**SP 2,5/ 1 BU**	①	**3040698**	50				
	1	5.2 mm	green-yellow	**SP 2,5/ 1 GNYE**	①	**3040708**	50				
COMBI connector, left element	1	5.2 mm	gray					**SP 2,5/ 1-L**	①	**3043019**	50
	1	5.2 mm	blue					**SP 2,5/ 1-L BU**	①	**3043022**	50
	1	5.2 mm	green-yellow					**SP 2,5/ 1-L GNYE**	①	**3043035**	50
COMBI connector, center element	1	5.2 mm	gray					**SP 2,5/ 1-M**	①	**3043043**	50
	1	5.2 mm	blue					**SP 2,5/ 1-M BU**	①	**3043051**	50
	1	5.2 mm	green-yellow					**SP 2,5/ 1-M GNYE**	①	**3043064**	50
COMBI connector, right element	1	5.2 mm	gray					**SP 2,5/ 1-R**	①	**3043077**	50
	1	5.2 mm	blue					**SP 2,5/ 1-R BU**	①	**3043080**	50
	1	5.2 mm	green-yellow					**SP 2,5/ 1-R GNYE**	①	**3043093**	50

		Accessories[1])			Accessories[1])		
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50	**PR/2**	**3040630**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50	**PZ/2**	**3040627**	50
4-pos.	black	**PZ/4**	**3040643**	50	**PZ/4**	**3040643**	50

COMBI connectors

Notes:

[1]) For additional accessories and technical data, see page 282.

[2]) For derating curve, visit phoenixcontact.net/products

① ——○



2.5 (4) mm², 24 A, connector, connection in plug-in direction

① ——○



24 A, connector, connection in plug-in direction, for self-assembly, cable housing can be snapped on

Technical data[1])

Dimensions				
	Width	Length	Height	Height when plugged in
[mm]	5.2 x Number of positions	15.8	39	24
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	500	0.08 - 4	26-12
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-

Technical data[1])

	Width	Length	Height	Height when plugged in
	5.2 x Number of positions	15.8	39	24
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	500	0.08 - 4	26-12
	IEC	UL / CUL	CSA	Ex
	500	300	300	-
	24[2]) / 2.5	20 / -	20 / -	-

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	5.2 mm	gray	**SP-H 2,5/ 1**	①	**3210619**	50
	2	10.4 mm	gray	**SP-H 2,5/ 2**	①	**3210622**	50
	3	15.6 mm	gray	**SP-H 2,5/ 3**	①	**3210635**	50
	4	20.8 mm	gray	**SP-H 2,5/ 4**	①	**3210648**	50
	5	26 mm	gray	**SP-H 2,5/ 5**	①	**3210651**	50
	6	31.2 mm	gray	**SP-H 2,5/ 6**	①	**3210664**	25
	7	36.4 mm	gray	**SP-H 2,5/ 7**	①	**3210677**	25
	8	41.6 mm	gray	**SP-H 2,5/ 8**	①	**3210680**	25
	9	46.8 mm	gray	**SP-H 2,5/ 9**	①	**3210693**	25
	10	52 mm	gray	**SP-H 2,5/10**	①	**3210703**	25
	11	57.2 mm	gray	**SP-H 2,5/11**	①	**3210716**	10
	12	62.4 mm	gray	**SP-H 2,5/12**	①	**3210729**	10
	13	67.6 mm	gray	**SP-H 2,5/13**	①	**3210732**	10
	14	72.8 mm	gray	**SP-H 2,5/14**	①	**3210745**	10
	15	78 mm	gray	**SP-H 2,5/15**	①	**3210758**	10
	1	5.2 mm	blue	**SP-H 2,5/ 1 BU**	①	**3210761**	50
	1	5.2 mm	green-yellow	**SP-H 2,5/ 1 GNYE**	①	**3210774**	50
COMBI connector, left element	1	5.2 mm	gray	**SP-H 2,5/ 1-L**	①	**3210787**	50
	1	5.2 mm	blue	**SP-H 2,5/ 1-L BU**	①	**3210790**	50
	1	5.2 mm	green-yellow	**SP-H 2,5/ 1-L GNYE**	①	**3210800**	50
COMBI connector, center element	1	5.2 mm	gray	**SP-H 2,5/ 1-M**	①	**3210813**	50
	1	5.2 mm	blue	**SP-H 2,5/ 1-M BU**	①	**3210826**	50
	1	5.2 mm	green-yellow	**SP-H 2,5/ 1-M GNYE**	①	**3210839**	50
COMBI connector, right element	1	5.2 mm	gray	**SP-H 2,5/ 1-R**	①	**3210842**	50
	1	5.2 mm	blue	**SP-H 2,5/ 1-R BU**	①	**3210855**	50
	1	5.2 mm	green-yellow	**SP-H 2,5/ 1-R GNYE**	①	**3210868**	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50
4-pos.	black	**PZ/4**	**3040643**	50
Screw flange cover, for SP–H ... and PP–H ... COMBI connectors	gray	**DF-SP-H 2,5**	**3209824**	50
Cable housing, for SP-H... and PP-H... COMBI connectors	gray	**PH 2,5/ 2**	**3209691**	50
3-pos.	gray	**PH 2,5/ 3**	**3209701**	50
4-pos.	gray	**PH 2,5/ 4**	**3209714**	50
5-pos.	gray	**PH 2,5/ 5**	**3209727**	50
6-pos.	gray	**PH 2,5/ 6**	**3209730**	25
7-pos.	gray	**PH 2,5/ 7**	**3209743**	25
8-pos.	gray	**PH 2,5/ 8**	**3209756**	25
9-pos.	gray	**PH 2,5/ 9**	**3209507**	25

Accessories[1])

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PZ/4	**3040643**	50
DF-SP-H 2,5	**3209824**	50
PH 2,5/ 2	**3209691**	50
PH 2,5/ 3	**3209701**	50
PH 2,5/ 4	**3209714**	50
PH 2,5/ 5	**3209727**	50
PH 2,5/ 6	**3209730**	25
PH 2,5/ 7	**3209743**	25
PH 2,5/ 8	**3209756**	25
PH 2,5/ 9	**3209507**	25

2.5 mm² COMBI ST plug-in connection solutions

COMBI connectors

Notes:

[1]) For additional accessories and technical data, see page 282.

[2]) For derating curve, visit phoenixcontact.net/products

① ——○



24 A, connector, connection at a right angle to the plug-in direction

① ——○



24 A, connector, connection at a right angle to the plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	Width	Length	Height	Height when plugged in
[mm]	**5.2 x Number of positions**	**23.4**	**34**	**19**
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.08 - 4**	**26-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	-	-

Technical data[1])

	Width	Length	Height	Height when plugged in
	5.2 x Number of positions	**23.4**	**34**	**19**
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.08 - 4**	**26-12**
	IEC	UL / CUL	CSA	Ex
	500	600	-	-
	24[2]) / 2.5	20 / -	-	-

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	5.2 mm	gray	**SPV 2,5/ 1**	①	**3041710**	50
	2	10.4 mm	gray	**SPV 2,5/ 2**	①	**3041723**	50
	3	15.6 mm	gray	**SPV 2,5/ 3**	①	**3041736**	50
	4	20.8 mm	gray	**SPV 2,5/ 4**	①	**3041749**	50
	5	26 mm	gray	**SPV 2,5/ 5**	①	**3041752**	50
	6	31.2 mm	gray	**SPV 2,5/ 6**	①	**3041765**	25
	7	36.4 mm	gray	**SPV 2,5/ 7**	①	**3041778**	25
	8	41.6 mm	gray	**SPV 2,5/ 8**	①	**3041781**	25
	9	46.8 mm	gray	**SPV 2,5/ 9**	①	**3041794**	25
	10	52 mm	gray	**SPV 2,5/10**	①	**3041804**	25
	11	57.2 mm	gray	**SPV 2,5/11**	①	**3041817**	10
	12	62.4 mm	gray	**SPV 2,5/12**	①	**3041820**	10
	13	67.6 mm	gray	**SPV 2,5/13**	①	**3041833**	10
	14	72.8 mm	gray	**SPV 2,5/14**	①	**3041846**	10
	15	78 mm	gray	**SPV 2,5/15**	①	**3041859**	10
	1	5.2 mm	blue	**SPV 2,5/ 1 BU**	①	**3061017**	50
	1	5.2 mm	green-yellow	**SPV 2,5/ 1 GNYE**	①	**3061020**	50
COMBI connector, left element	1	5.2 mm	gray	**SPV 2,5/ 1-L**	①	**3041024**	50
	1	5.2 mm	blue	**SPV 2,5/ 1-L BU**	①	**3041037**	50
	1	5.2 mm	green-yellow	**SPV 2,5/ 1-L GNYE**	①	**3041040**	50
COMBI connector, center element	1	5.2 mm	gray	**SPV 2,5/ 1-M**	①	**3041053**	50
	1	5.2 mm	blue	**SPV 2,5/ 1-M BU**	①	**3041066**	50
	1	5.2 mm	green-yellow	**SPV 2,5/ 1-M GNYE**	①	**3041079**	50
COMBI connector, right element	1	5.2 mm	gray	**SPV 2,5/ 1-R**	①	**3041082**	50
	1	5.2 mm	blue	**SPV 2,5/ 1-R BU**	①	**3041095**	50
	1	5.2 mm	green-yellow	**SPV 2,5/ 1-R GNYE**	①	**3041105**	50

Accessories[1])

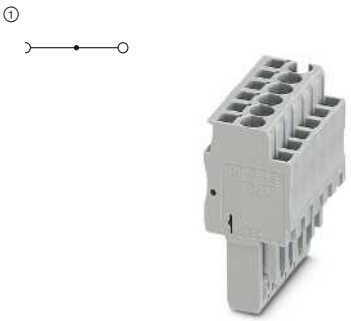
Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10	
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10	
Snap-on, for SPV... connectors, 2-pos.	orange	**PRV/2**	**3041862**	50	
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50	
4-pos.	black	**PZ/4**	**3040643**	50	

Accessories[1])

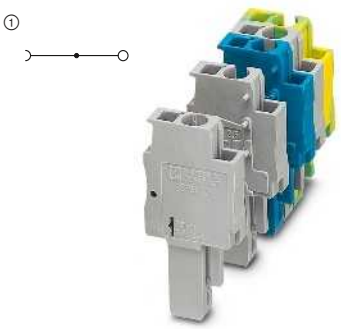
MPS-MT	**0201744**	10	
MPS-IH RD	**0201676**	10	
PRV/2	**3041862**	50	
PZ/2	**3040627**	50	
PZ/4	**3040643**	50	

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection in plug-in direction



24 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	**20**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-

Technical data[1])			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	**20**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	5.2 mm	gray	**SPB 2,5/ 1**	①	**3040106**	50
	2	10.4 mm	gray	**SPB 2,5/ 2**	①	**3040119**	50
	3	15.6 mm	gray	**SPB 2,5/ 3**	①	**3040122**	50
	4	20.8 mm	gray	**SPB 2,5/ 4**	①	**3040135**	50
	5	26 mm	gray	**SPB 2,5/ 5**	①	**3040143**	50
	6	31.2 mm	gray	**SPB 2,5/ 6**	①	**3040151**	25
	7	36.4 mm	gray	**SPB 2,5/ 7**	①	**3040164**	25
	8	41.6 mm	gray	**SPB 2,5/ 8**	①	**3040177**	25
	9	46.8 mm	gray	**SPB 2,5/ 9**	①	**3040180**	25
	10	52 mm	gray	**SPB 2,5/10**	①	**3040193**	25
	11	57.2 mm	gray	**SPB 2,5/11**	①	**3040203**	10
	12	62.4 mm	gray	**SPB 2,5/12**	①	**3040216**	10
	13	67.6 mm	gray	**SPB 2,5/13**	①	**3040229**	10
	14	72.8 mm	gray	**SPB 2,5/14**	①	**3040232**	10
	15	78 mm	gray	**SPB 2,5/15**	①	**3040245**	10
	1	5.2 mm	blue	**SPB 2,5/ 1 BU**	①	**3040724**	50
	1	5.2 mm	green-yellow	**SPB 2,5/ 1 GNYE**	①	**3040711**	50
COMBI connector, left element	1	5.2 mm	gray	**SPB 2,5/ 1-L**	①	**3043103**	50
	1	5.2 mm	blue	**SPB 2,5/ 1-L BU**	①	**3043116**	50
	1	5.2 mm	green-yellow	**SPB 2,5/ 1-L GNYE**	①	**3043129**	50
COMBI connector, center element	1	5.2 mm	gray	**SPB 2,5/ 1-M**	①	**3043132**	50
	1	5.2 mm	blue	**SPB 2,5/ 1-M BU**	①	**3043145**	50
	1	5.2 mm	green-yellow	**SPB 2,5/ 1-M GNYE**	①	**3043158**	50
COMBI connector, right element	1	5.2 mm	gray	**SPB 2,5/ 1-R**	①	**3043161**	50
	1	5.2 mm	blue	**SPB 2,5/ 1-R BU**	①	**3043174**	50
	1	5.2 mm	green-yellow	**SPB 2,5/ 1-R GNYE**	①	**3043187**	50

Accessories[1])			
PRZ		**3040614**	50
PR		**3040559**	50
PR/2		**3040630**	50
PZ/2		**3040627**	50
PZ/4		**3040643**	50

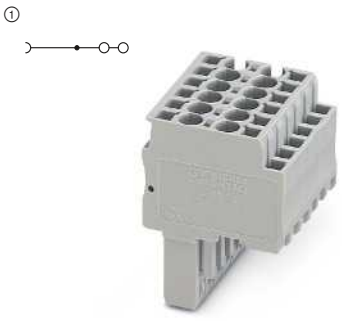
Accessories[1])			
PRZ		**3040614**	50
PR		**3040559**	50
PR/2		**3040630**	50
PZ/2		**3040627**	50
PZ/4		**3040643**	50

Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange
Latching, for connectors, 1-pos.	orange
2-pos.	orange
Strain relief, for connectors, 2-pos.	black
4-pos.	black

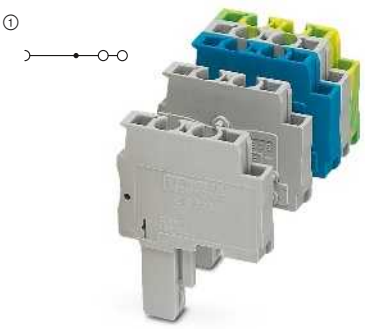
2.5 mm² COMBI ST plug-in connection solutions

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, two connections in plug-in direction



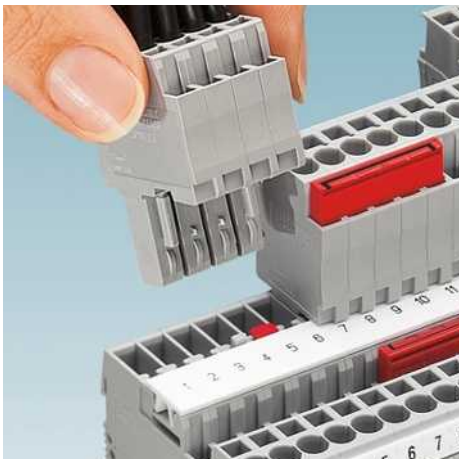
24 A, connector, two connections in plug-in direction, for self-assembly

Technical data[1])				Technical data[1])			
Dimensions							
Width	Length	Height	Height when plugged in	Width	Length	Height	Height when plugged in
5.2 x Number of positions	**32.7**	**39**	**24**	**5.2 x Number of positions**	**32.7**	**39**	**24**
[mm]							
Max. electrical data							
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.08 - 4**	**28-12**	**24[2])**	**500**	**0.08 - 4**	**28-12**
Max. bridge current [A]	24 (FBS) / 17.5 (FBSR)			24 (FBS) / 17.5 (FBSR)			
Rated data							
IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	300	-	500	600	300	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-	24[2]) / 2.5	20 / -	20 / -	-

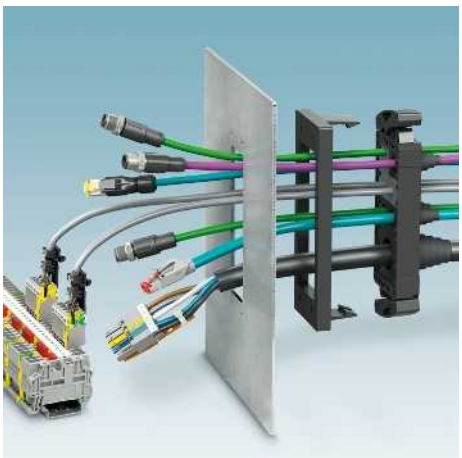
Description	No. of pos.	Width	Color	Ordering data Type		Order No.	Pcs. / Pkt.	Ordering data Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	5.2 mm	gray	**SPDB 2,5/ 1**	①	**3040407**	50				
	2	10.4 mm	gray	**SPDB 2,5/ 2**	①	**3040410**	50				
	3	15.6 mm	gray	**SPDB 2,5/ 3**	①	**3040423**	50				
	4	20.8 mm	gray	**SPDB 2,5/ 4**	①	**3040436**	50				
	5	26 mm	gray	**SPDB 2,5/ 5**	①	**3040449**	50				
	6	31.2 mm	gray	**SPDB 2,5/ 6**	①	**3040452**	25				
	7	36.4 mm	gray	**SPDB 2,5/ 7**	①	**3040465**	25				
	8	41.6 mm	gray	**SPDB 2,5/ 8**	①	**3040478**	25				
	9	46.8 mm	gray	**SPDB 2,5/ 9**	①	**3040481**	25				
	10	52 mm	gray	**SPDB 2,5/10**	①	**3040494**	25				
	11	57.2 mm	gray	**SPDB 2,5/11**	①	**3040504**	10				
	12	62.4 mm	gray	**SPDB 2,5/12**	①	**3040517**	10				
	13	67.6 mm	gray	**SPDB 2,5/13**	①	**3040520**	10				
	14	72.8 mm	gray	**SPDB 2,5/14**	①	**3040533**	10				
	15	78 mm	gray	**SPDB 2,5/15**	①	**3040546**	10				
	1	5.2 mm	blue	**SPDB 2,5/ 1 BU**	①	**3040737**	50				
	1	5.2 mm	green-yellow	**SPDB 2,5/ 1 GNYE**	①	**3040740**	50				
COMBI connector, left element	1	5.2 mm	gray					**SPDB 2,5/ 1-L**	①	**3043190**	50
	1	5.2 mm	blue					**SPDB 2,5/ 1-L BU**	①	**3043200**	50
	1	5.2 mm	green-yellow					**SPDB 2,5/ 1-L GNYE**	①	**3043213**	50
COMBI connector, center element	1	5.2 mm	gray					**SPDB 2,5/ 1-M**	①	**3043226**	50
	1	5.2 mm	blue					**SPDB 2,5/ 1-M BU**	①	**3043239**	50
	1	5.2 mm	green-yellow					**SPDB 2,5/ 1-M GNYE**	①	**3043242**	50
COMBI connector, right element	1	5.2 mm	gray					**SPDB 2,5/ 1-R**	①	**3043255**	50
	1	5.2 mm	blue					**SPDB 2,5/ 1-R BU**	①	**3043268**	50
	1	5.2 mm	green-yellow					**SPDB 2,5/ 1-R GNYE**	①	**3043271**	50

		Accessories[1]) Type	Order No.	Pcs. / Pkt.	Accessories[1]) Type	Order No.	Pcs. / Pkt.
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50	**PR/2**	**3040630**	50
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos.	black	**PDZ/2**	**3040562**	50	**PDZ/2**	**3040562**	50
4-pos.	black	**PDZ/4**	**3040575**	50	**PDZ/4**	**3040575**	50

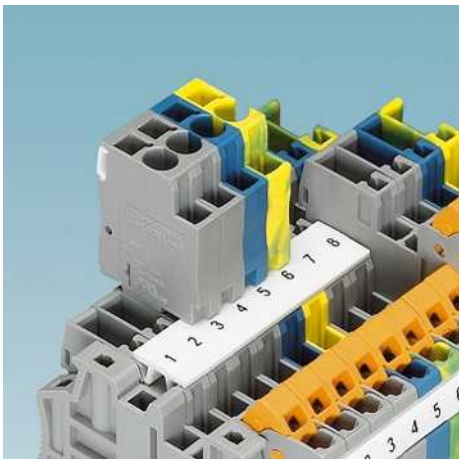
COMBI connectors with spring-cage connection



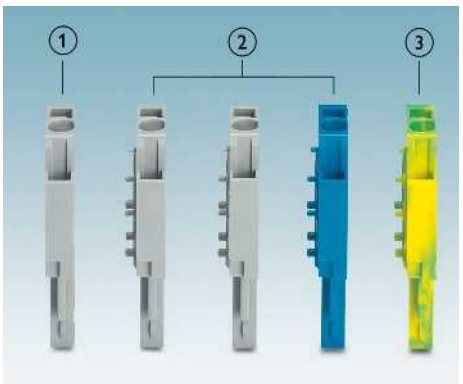
- Connector with scope for bridging, for use with basic terminal blocks
- The SPB 2,5/... connector is designed for connecting one conductor and also provides an additional bridging facility
- The SPDB 2,5/... connector is designed for connecting two conductors and also provides an additional bridging facility
- The CES cable entry system (see Catalog 4) enables the easy and space-saving installation of pre-assembled cables with IP54/IP65 protection in the control cabinet, see figure below



COMBI connectors with spring-cage connection for self-assembly



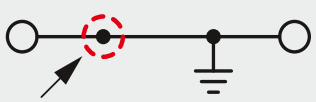
- The ST-COMBI connectors for self-assembly provide solutions that users can implement themselves
- Cable housings can be snapped onto the SP-H... connectors
- The connector with spring-cage connection is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.
  ① SP 2,5/1-L
  ② SP 2,5/1-M and SP 2,5/1-M BU
  ③ SP 2,5/1-R GNYE



General technical data for 4 mm² COMBI ST spring-cage connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm²]	4			
Cross section range	AWG	28 - 10			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			
Note: additional or deviating data is documented for the product.					

Notes:

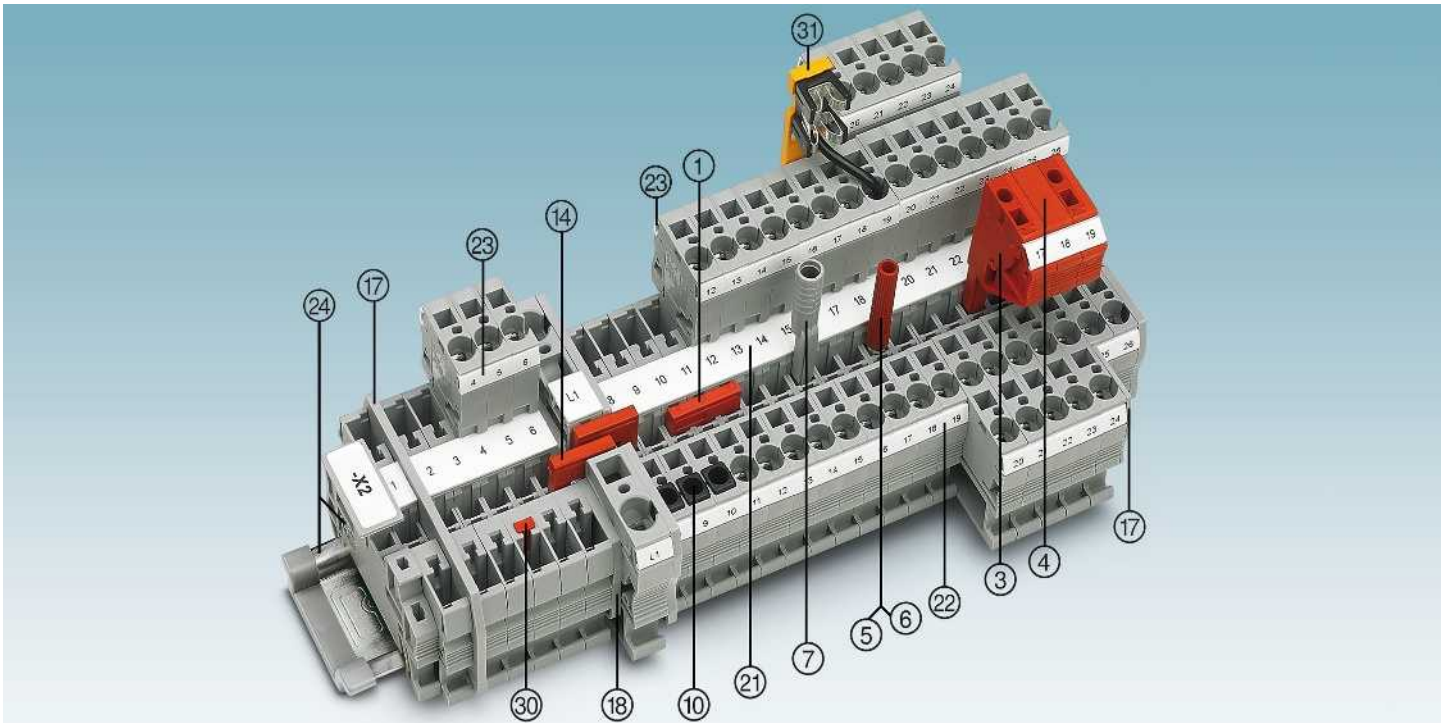


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 4 mm² COMBI ST spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-6**	**3030336**	50	**FBSR 2-6**	**3033715**	50
	3	red	**FBS 3-6**	**3030242**	50	**FBSR 3-6**	**3001594**	50
	4	red	**FBS 4-6**	**3030255**	50	**FBSR 4-6**	**3001595**	50
	5	red	**FBS 5-6**	**3030349**	50	**FBSR 5-6**	**3001596**	50
	10	red	**FBS 10-6**	**3030271**	10	**FBSR 10-6**	**3033716**	10
	20	red	**FBS 20-6**	**3030365**	10			
③ **Modular test plug**		red	**PS-6**	**3030996**	10			
④ **Spacer plate**		red	**DP PS-6**	**3036738**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑩ **Insulating sleeve,** 0.25 - 0.5 mm²		gray	**ISH 4/0,5**	**3002885**	50			
0.75 - 1 mm²		black	**ISH 4/1,0**	**3002898**	50			
㉚ **Coding profile**		red	**PC**	**3040588**	50			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

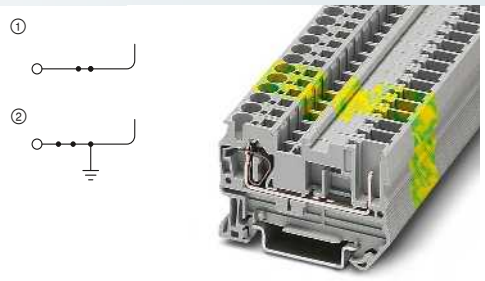
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.**
㉓ **Lateral groove marking**	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉛ **Latching, strain relief, shielding**	**See page 312 onwards.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through and multi-conductor terminal blocks and ground terminals

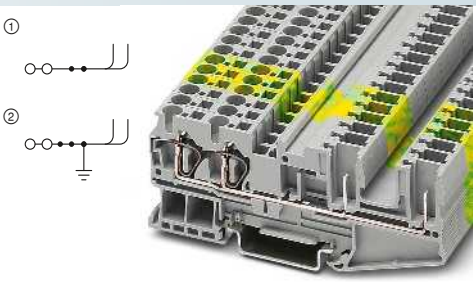
Notes:

1) For additional accessories and technical data, see page 298.

2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block



32 A, feed-through terminal block, 4 connections

Technical data[1]			
Dimensions			
Width	Length	Height	
6.2	**55.8**	**36.5 (NS 35/7,5)**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2]	**800**	**0.08 - 6**	**28-10**
Max. bridge current	32 (FBS) / 24 (FBSR) / 24 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage	800	600	600	-
Nominal current / cross section	32[2]) / 4	30 / -	30 / -	-

Technical data[1]			
Dimensions			
Width	Length	Height	
6.2	**97.3**	**36.5 (NS 35/7,5)**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2]	**800**	**0.08 - 6**	**28-10**
32 (FBS) / 24 (FBSR)			
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage	800	600	600	-
Nominal current / cross section	32[2]) / 4	30 / -	30 / -	-

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

Ordering data			
Type		Order No.	Pcs. / Pkt.
ST 4/ 1P	①	**3042719**	50
ST 4/ 1P BU	①	**3042874**	50
ST 4/ 1P-PE	②	**3042722**	50
Accessories[1]			
D-ST 4		**3030420**	50

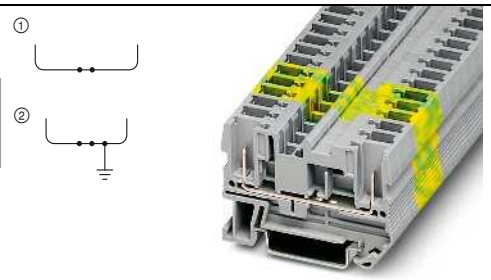
Ordering data			
Type		Order No.	Pcs. / Pkt.
ST 4-QUATTRO/2P	①	**3042845**	50
ST 4-QUATTRO/2P BU	①	**3042861**	50
ST 4-QUATTRO/2P-PE	②	**3042858**	50
Accessories[1]			
D-ST 4-QUATTRO/2P		**3043747**	50

Feed-through and multi-conductor terminal blocks and ground terminals

Notes:

1) For additional accessories and technical data, see page 298.

2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block

Technical data[1]			
Dimensions			
Width	Length	Height	
6.2	**55.9**	**36.5 (NS 35/7,5)**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2]	**800**	**0.08 - 6**	**-**
Max. bridge current	32 (FBS) / 24 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage	800	-	-	-
Nominal current / cross section	32[2]) / 4	-	-	-

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

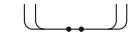
Ordering data			
Type		Order No.	Pcs. / Pkt.
ST 4/ 2P	①	**3042735**	50
ST 4/ 2P BU	①	**3043789**	50
ST 4/ 2P-PE	②	**3042748**	50
Accessories[1]			
D-ST 4		**3030420**	50

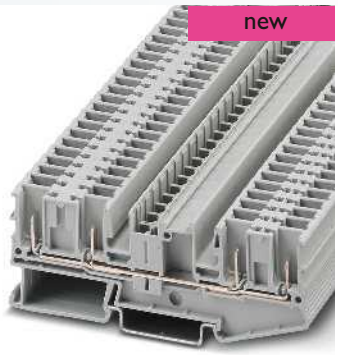
Feed-through and multi-conductor terminal blocks

– This plug-in basic terminal block can be fitted with 4 mm² COMBI connectors as well as crimp contacts in the CP 4/6 connector housing.
– Conductors with crimped on STG-MTN... module socket contacts can be easily snapped into the CP 4/6 connector housing.

Notes:

[1]) For additional accessories and technical data, see page 298.

① 



32 A, feed-through terminal block, 4 connections

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**95.9**	**36.8 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**500**	**0.08 - 4**	**-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	-	-	-
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 4	-	-

Ordering data

Description	Color
Terminal block	gray

Type		Order No.	Pcs. / Pkt.
ST 4-QUATTRO/4CP	①	**3042736**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 4-QUATTRO/4CP**	**3042739**	10
Connector housing, for accommodating module socket contacts	gray	**CP 4/6**	**3061049**	10
Module socket contact, 0.5 - 1 mm²				
for wires from 0.5 ... 1,0 mm²	silver	**STG-MTN 0,5-1,0**	**3190438**	100
for conductors from 1.5 ... 2.5 mm²	silver	**STG-MTN 1,5-2,5**	**3190506**	100

Couplings

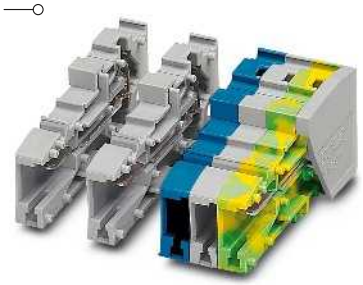
Notes:
1) For additional accessories and technical data, see page 298.
2) For derating curve, visit phoenixcontact.net/products

① —○



32 A, coupling

① —○



32 A, coupling, for self-assembly

cULus EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2 x Number of positions	**48.6**	**22.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**800**	**0.08 - 6**	**28-10**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	30 / -	-	-

cULus EAC

Technical data[1])

Width	Length	Height	
6.2 x Number of positions	**48.6**	**22.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.08 - 6**	**28-10**
IEC	UL / CUL	CSA	Ex
800	600	-	-
32[2]) / 4	30 / -	-	-

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
COMBI header	2	gray	**SC 4/ 2**	①	**3042450**	50
	3	gray	**SC 4/ 3**	①	**3042463**	50
	4	gray	**SC 4/ 4**	①	**3042476**	50
	5	gray	**SC 4/ 5**	①	**3042489**	50
	6	gray	**SC 4/ 6**	①	**3042492**	25
	7	gray	**SC 4/ 7**	①	**3042502**	25
	8	gray	**SC 4/ 8**	①	**3042515**	25
	9	gray	**SC 4/ 9**	①	**3042528**	25
	10	gray	**SC 4/10**	①	**3042531**	25
	11	gray	**SC 4/11**	①	**3042544**	10
	12	gray	**SC 4/12**	①	**3042557**	10
	13	gray	**SC 4/13**	①	**3042560**	10
	14	gray	**SC 4/14**	①	**3042573**	10
	15	gray	**SC 4/15**	①	**3042586**	10
COMBI header	1	gray				
	1	blue				
	1	green-yellow				

Ordering data

Type		Order No.	Pcs. / Pkt.
SC 4/ 1-L	①	**3042599**	50
SC 4/ 1-L BU	①	**3042609**	50
SC 4/ 1-L GNYE	①	**3042612**	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Cover	gray			
Strain relief, for SC 4... coupling, 2-pos.	black	**CZ/2**	**3043831**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50

Accessories[1])

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
D-SC 4	**3043307**	50
CZ/2	**3043831**	50
PC	**3040588**	50

Couplings

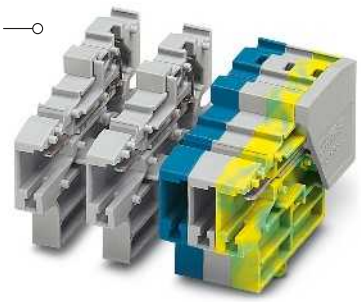
Notes:
1) For additional accessories and technical data, see page 298.
2) For derating curve, visit phoenixcontact.net/products

① —○



32 A, coupling with securing pin

① —○



32 A, coupling with securing pin, for self-assembly

cULus EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2 x Number of positions**	**48.6**	**31**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**800**	**0.08 - 6**	**28-10**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	30 / -	-	-

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
COMBI coupling, with securing pin	2	gray	**SC 4-RZ/ 2**	①	**3042625**	50
	3	gray	**SC 4-RZ/ 3**	①	**3042638**	50
	4	gray	**SC 4-RZ/ 4**	①	**3042641**	50
	5	gray	**SC 4-RZ/ 5**	①	**3042654**	50
	6	gray	**SC 4-RZ/ 6**	①	**3042667**	25
	7	gray	**SC 4-RZ/ 7**	①	**3042670**	25
	8	gray	**SC 4-RZ/ 8**	①	**3042683**	25
	9	gray	**SC 4-RZ/ 9**	①	**3042696**	25
	10	gray	**SC 4-RZ/10**	①	**3042706**	25
	11	gray	**SC 4-RZ/11**	①	**3043323**	10
	12	gray	**SC 4-RZ/12**	①	**3043336**	10
	13	gray	**SC 4-RZ/13**	①	**3043349**	10
	14	gray	**SC 4-RZ/14**	①	**3043352**	10
	15	gray	**SC 4-RZ/15**	①	**3043365**	10
COMBI coupling, with securing pin	1	gray				
	1	blue				
	1	green-yellow				

Accessories[1])

		Type	Order No.	Pcs. / Pkt.
Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Cover	gray			
Strain relief, for SC 4... coupling, 2-pos.	black	**CZ/2**	**3043831**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50

cULus EAC

Technical data[1])

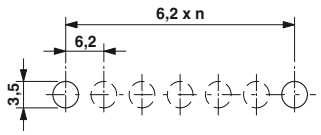
Width	Length	Height	
6.2 x Number of positions	**48.6**	**31**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.08 - 6**	**28-10**
IEC	UL / CUL	CSA	Ex
800	600	-	-
32[2]) / 4	30 / -	-	-

Ordering data

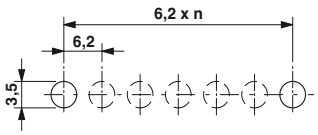
Type		Order No.	Pcs. / Pkt.
SC 4-RZ/ 1-L	①	**3043378**	50
SC 4-RZ/ 1-L BU	①	**3043381**	50
SC 4-RZ/ 1-L GNYE	①	**3043394**	50

Accessories[1])

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
D-SC 4	**3043307**	50
CZ/2	**3043831**	50
PC	**3040588**	50



Drilling plan example: 1 x SC 4-RZ/ 6

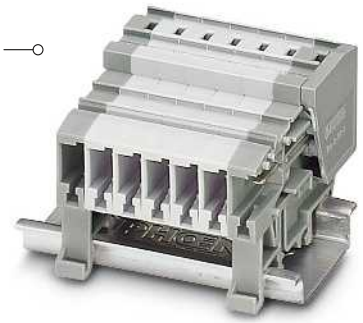


Drilling plan example: 6 x SC 4-RZ/ 1-L

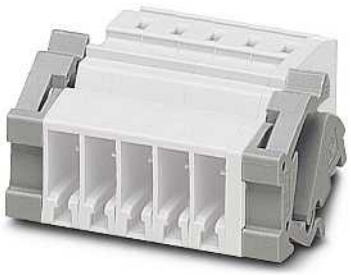
Couplings

Notes:
1) For additional accessories and technical data, see page 298.
2) For derating curve, visit phoenixcontact.net/products

① —○



32 A, coupling for DIN rail mounting



Panel feed-through

cULus EAC

Technical data[1])			
Width	Length	Height	
6.2	**48.6**	**35.6 (NS 35/7,5) / 35.6 (NS 15)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.08 - 6**	**28-10**
IEC	UL / CUL	CSA	Ex
800	600	-	-
32[2]) / 4	30 / -	-	-

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
SC 4-NS/ 1-L	①	**3043404**	50

Accessories[1])			
D-SC 4		**3043307**	50

EAC

Technical data[1])			
Width	Length	Height	
5.2	**-**		
		max. Ø [mm²]	AWG (UL)
		-	**-**
IEC	UL / CUL	CSA	Ex
-	-	-	-
-	-	-	-

Ordering data		
Type	**Order No.**	Pcs. / Pkt.
SSL 2,5	**3043815**	50

Accessories[1])		
PC	**3040588**	50

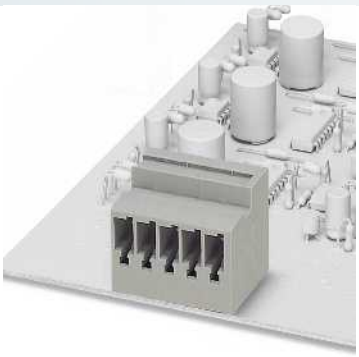
Description	Color
COMBI header	gray
Panel feed-through, for snapping on to couplings, 1 SSL 2,5 consists of a left-hand and a right-hand element, for metal thicknesses of 0.8 - 3 mm	gray
Cover	gray
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red

4 mm² COMBI ST plug-in connection solutions

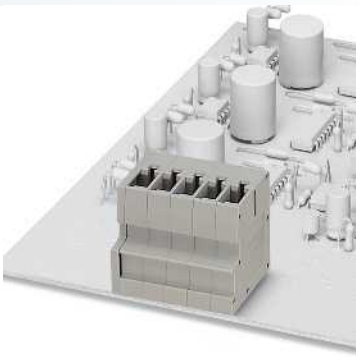
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



32 A, header, horizontal plug-in direction



32 A, header, vertical plug-in direction

cULus EAC

Technical data

Dimensions				
	[mm]	Width	Length	Height
		12.4	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**800**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI header	2	12.4 mm	gray	**ST 4-PCB/ 2-G-6,2**	**1980598**	50
	3	18.9 mm	gray	**ST 4-PCB/ 3-G-6,2**	**1980608**	50
	4	24.8 mm	gray	**ST 4-PCB/ 4-G-6,2**	**1980611**	50
	5	31 mm	gray	**ST 4-PCB/ 5-G-6,2**	**1980624**	50
	6	37.2 mm	gray	**ST 4-PCB/ 6-G-6,2**	**1980637**	50
	7	43.4 mm	gray	**ST 4-PCB/ 7-G-6,2**	**1980640**	50
	8	49.6 mm	gray	**ST 4-PCB/ 8-G-6,2**	**1980653**	50
	9	55.8 mm	gray	**ST 4-PCB/ 9-G-6,2**	**1980666**	50
	10	62 mm	gray	**ST 4-PCB/10-G-6,2**	**1980679**	50
	11	68.2 mm	gray	**ST 4-PCB/11-G-6,2**	**1980682**	50
	12	74.4 mm	gray	**ST 4-PCB/12-G-6,2**	**1980695**	50

cULus EAC

Technical data

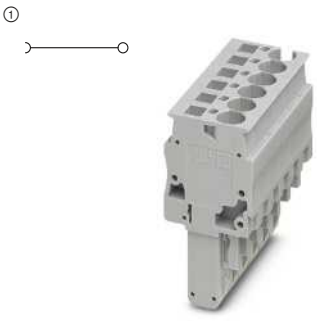
Width	Length	Height		
12.4	**-**			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
32	**800**	**-**	**-**	
IEC	UL / CUL	CSA	Ex	
800	600	-	-	
32 / 4	20 / -	-	-	
4				
PA				
V0				

Ordering data

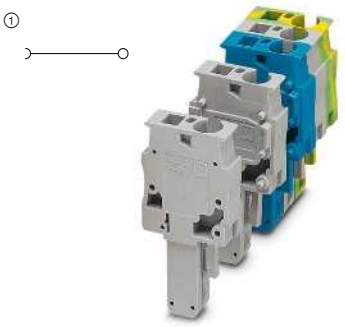
Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI header	2	12.4 mm	gray	**ST 4-PCBV/ 2-G-6,2**	**1980705**	50
	3	18.6 mm	gray	**ST 4-PCBV/ 3-G-6,2**	**1980718**	50
	4	24.8 mm	gray	**ST 4-PCBV/ 4-G-6,2**	**1980721**	50
	5	31 mm	gray	**ST 4-PCBV/ 5-G-6,2**	**1980734**	50
	6	37.2 mm	gray	**ST 4-PCBV/ 6-G-6,2**	**1980747**	50
	7	43.4 mm	gray	**ST 4-PCBV/ 7-G-6,2**	**1980750**	50
	8	49.6 mm	gray	**ST 4-PCBV/ 8-G-6,2**	**1980763**	50
	9	55.8 mm	gray	**ST 4-PCBV/ 9-G-6,2**	**1980776**	50
	10	62 mm	gray	**ST 4-PCBV/10-G-6,2**	**1980789**	50
	11	68.2 mm	gray	**ST 4-PCBV/11-G-6,2**	**1980792**	50
	12	74.4 mm	gray	**ST 4-PCBV/12-G-6,2**	**1980802**	50

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 298.
2) For derating curve, visit phoenixcontact.net/products



32 A, connector, connection in plug-in direction



32 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	Width	Length	Height	Height when plugged in
[mm]	**6.2 x Number of positions**	**21**	**41.5**	**24**
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32[2])	**800**	**0.08 - 6**	**28-10**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	32[2]) / 4	30 / -	30 / -	-

Technical data[1])

	Width	Length	Height	Height when plugged in
	6.2 x Number of positions	**21**	**41.5**	**24**
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32[2])	**800**	**0.08 - 6**	**28-10**
	IEC	UL / CUL	CSA	Ex
	800	600	600	-
	32[2]) / 4	30 / -	30 / -	-

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	6.2 mm	gray	**SP 4/ 1**	①	**3042887**	50
	2	12.4 mm	gray	**SP 4/ 2**	①	**3042890**	50
	3	18.6 mm	gray	**SP 4/ 3**	①	**3042900**	50
	4	24.8 mm	gray	**SP 4/ 4**	①	**3042926**	50
	5	31 mm	gray	**SP 4/ 5**	①	**3042939**	50
	6	37.2 mm	gray	**SP 4/ 6**	①	**3042942**	25
	7	43.4 mm	gray	**SP 4/ 7**	①	**3042955**	25
	8	49.6 mm	gray	**SP 4/ 8**	①	**3042968**	25
	9	55.8 mm	gray	**SP 4/ 9**	①	**3042971**	25
	10	62 mm	gray	**SP 4/10**	①	**3042984**	25
	11	68.2 mm	gray	**SP 4/11**	①	**3042997**	10
	12	74.4 mm	gray	**SP 4/12**	①	**3043006**	10
	13	80.6 mm	gray	**SP 4/13**	①	**3043718**	10
	14	86.8 mm	gray	**SP 4/14**	①	**3043721**	10
	15	93 mm	gray	**SP 4/15**	①	**3043734**	10
	1	6.2 mm	blue	**SP 4/1 BU**	①	**3061033**	50
	1	6.2 mm	green-yellow	**SP 4/1 GNYE**	①	**3061046**	50
COMBI connector, left element	1	6.2 mm	gray	**SP 4/ 1-L**	①	**3042751**	50
	1	6.2 mm	blue	**SP 4/ 1-L BU**	①	**3042764**	50
	1	6.2 mm	green-yellow	**SP 4/ 1-L GNYE**	①	**3042777**	50
COMBI connector, center element	1	6.2 mm	gray	**SP 4/ 1-M**	①	**3042780**	50
	1	6.2 mm	blue	**SP 4/ 1-M BU**	①	**3042793**	50
	1	6.2 mm	green-yellow	**SP 4/ 1-M GNYE**	①	**3042803**	50
COMBI connector, right element	1	6.2 mm	gray	**SP 4/ 1-R**	①	**3042816**	50
	1	6.2 mm	blue	**SP 4/ 1-R BU**	①	**3042829**	50
	1	6.2 mm	green-yellow	**SP 4/ 1-R GNYE**	①	**3042832**	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50

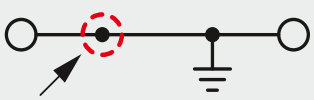
Accessories[1])

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50

General technical data for 1.5 mm² COMBI QT... fast connection terminal blocks

Rated data		IEC 61984
Rated cross section	[mm²]	1.5
Cross section range	AWG	24 - 16
Connection cross section according to DIN VDE 0295		
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16
Frequency of connections with the same cross section		100
General data		
Insulating material		PA
Inflammability class according to UL 94		V0
Note: additional or deviating data is documented for the product.		

Notes:

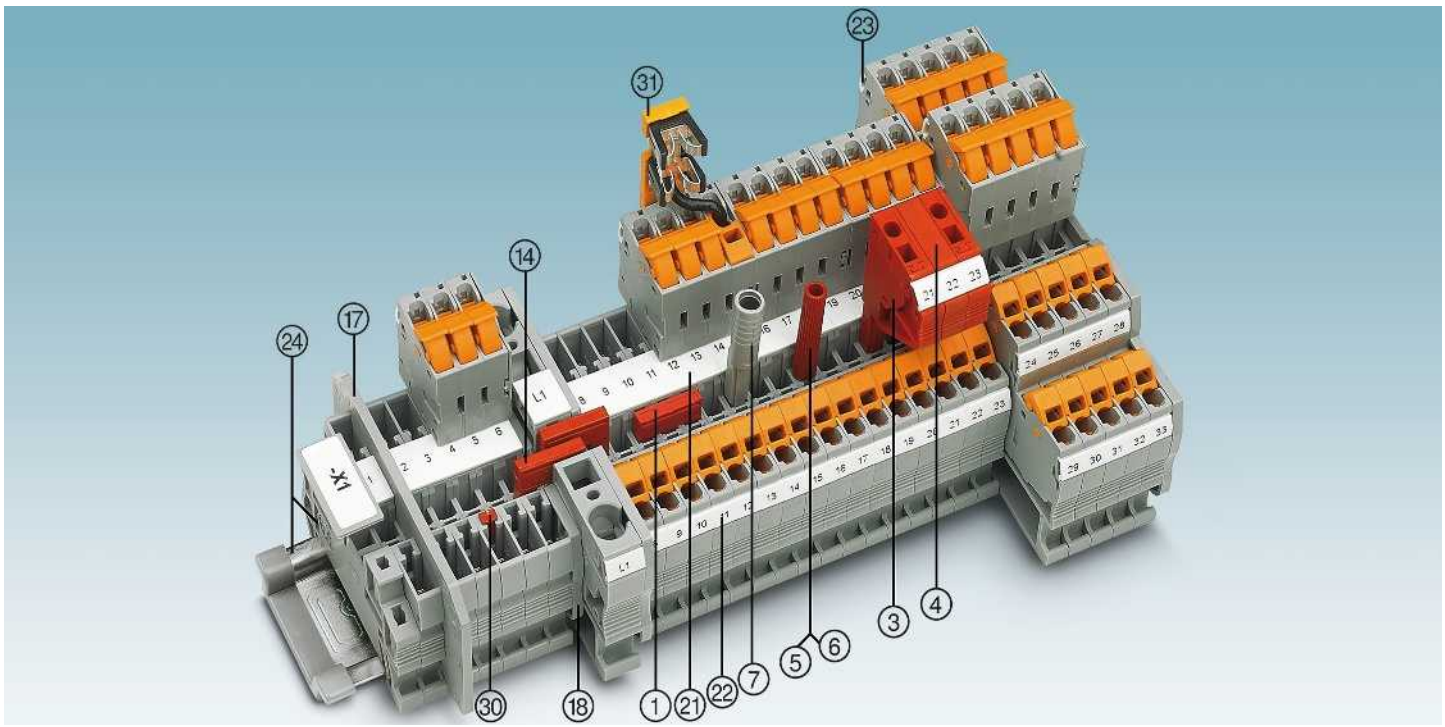


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 1.5 mm² COMBI QT... fast connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-5**	**3030161**	50	**FBSR 2-5**	**3033702**	50
	3	red	**FBS 3-5**	**3030174**	50	**FBSR 3-5**	**3001591**	50
	4	red	**FBS 4-5**	**3030187**	50	**FBSR 4-5**	**3001592**	50
	5	red	**FBS 5-5**	**3030190**	50	**FBSR 5-5**	**3001593**	50
	10	red	**FBS 10-5**	**3030213**	10	**FBSR 10-5**	**3033710**	10
	20	red	**FBS 20-5**	**3030226**	10			
③ **Modular test plug**		red	**PS-5**	**3030983**	10			
④ **Spacer plate**		red	**DP PS-5**	**3036725**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
㉚ **Coding profile**		red	**PC**	**3040588**	50			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10			

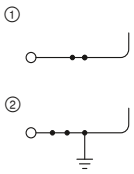
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉑ **Center groove marking**	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.**
㉒ **Center and lateral groove marking**	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.**
㉓ **Lateral groove marking**	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
㉛ **Latching, strain relief, shielding**	**See page 312 onwards.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

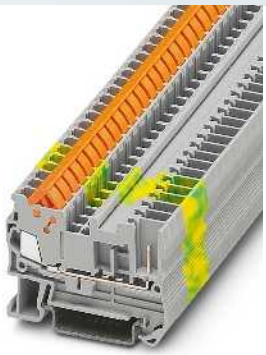
Feed-through and multi-level terminal blocks and ground terminals

Notes:

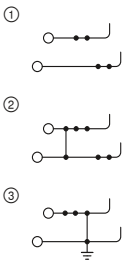
[1]) For additional accessories and technical data, see page 306.

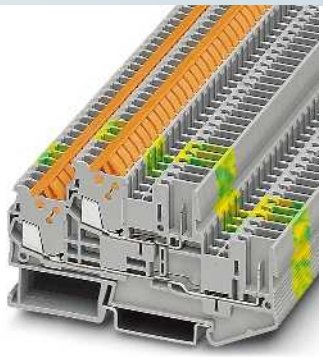
[2]) For derating curve, visit phoenixcontact.net/products





17.5 A, feed-through terminal block





17.5 A, double-level terminal block

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**53.5**	**39.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5[2])	**500**	**0.25 - 1.5**	**24-16**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5[2]) / 1.5	10 / -	10 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	gray	**QTC 1,5/ 1P**	①	**3050073**	50
	blue	**QTC 1,5/ 1P BU**	①	**3050086**	50
With potential distribution	gray				
Ground terminal	green-yellow	**QTC 1,5/ 1P-PE**	②	**3050099**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-QTC 1,5/1P**	**3206322**	50

Technical data[1])

Width	Length	Height	
5.2	**87.8**	**49.9 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5[2])	**500**	**0.25 - 1.5**	**24-16**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5[2]) / 1.5	10 / -	10 / -	-

Ordering data

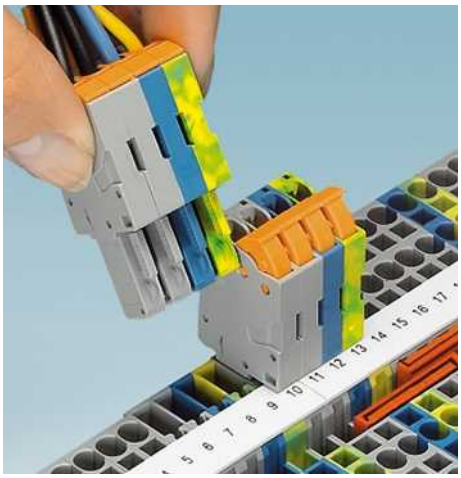
Type		Order No.	Pcs. / Pkt.
QTTCB 1,5/ 2P	①	**3050196**	50
QTTCB 1,5/ 2P BU	①	**3050206**	50
QTTCB 1,5/ 2P-PV	②	**3206377**	50
QTTCB 1,5/ 2P-PE	③	**3050219**	50

Accessories[1])

D-QTTCB 1,5/2P	**3206306**	50

1.5 mm² COMBI QT plug-in connection solutions

COMBI connectors



- Just like the basic terminal blocks, the connectors also offer the right connection method for every application
- The QP 1,5/... fast connector is designed for connection of solid and stranded conductors
- The conductor is connected using the familiar IDC rotation connection with no stripping, thus saving time

Notes:

[1]) For additional accessories and technical data, see page 306.

[2]) For derating curve, visit phoenixcontact.net/products

For further accessories, see page 312.

① ○——



17.5 A, connector, connection in plug-in direction

Technical data[1])

Dimensions			
			[mm]

Max. electrical data			

Rated data		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm²]

Width	Length	Height	Height when plugged in
5.2 x Number of positions	**20**	**40**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5[2])	**500**	**0.25 - 1.5**	**24-16**
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5[2]) / 1.5	10 / -	10 / -	-

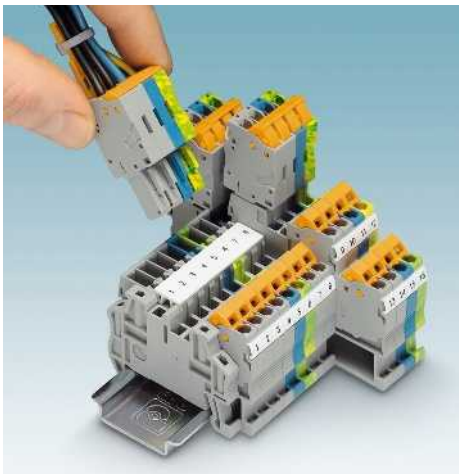
Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs. / Pkt.
COMBI connectors	1	5.2 mm	gray	**QP 1,5/ 1**	①	**3051108**	50
	2	10.4 mm	gray	**QP 1,5/ 2**	①	**3051111**	50
	3	15.6 mm	gray	**QP 1,5/ 3**	①	**3051124**	50
	4	20.8 mm	gray	**QP 1,5/ 4**	①	**3051137**	50
	5	26 mm	gray	**QP 1,5/ 5**	①	**3051140**	50
	6	31.2 mm	gray	**QP 1,5/ 6**	①	**3051153**	25
	7	36.4 mm	gray	**QP 1,5/ 7**	①	**3051166**	25
	8	41.6 mm	gray	**QP 1,5/ 8**	①	**3051179**	25
	9	46.8 mm	gray	**QP 1,5/ 9**	①	**3051182**	25
	10	52 mm	gray	**QP 1,5/10**	①	**3051195**	25
	11	57.2 mm	gray	**QP 1,5/11**	①	**3051205**	10
	12	62.4 mm	gray	**QP 1,5/12**	①	**3051218**	10
	13	67.6 mm	gray	**QP 1,5/13**	①	**3051221**	10
	14	72.8 mm	gray	**QP 1,5/14**	①	**3051234**	10
	15	78 mm	gray	**QP 1,5/15**	①	**3051247**	10
	1	5.2 mm	blue	**QP 1,5/ 1 BU**	①	**3051250**	50
	1	5.2 mm	green-yellow	**QP 1,5/ 1 GNYE**	①	**3051263**	50

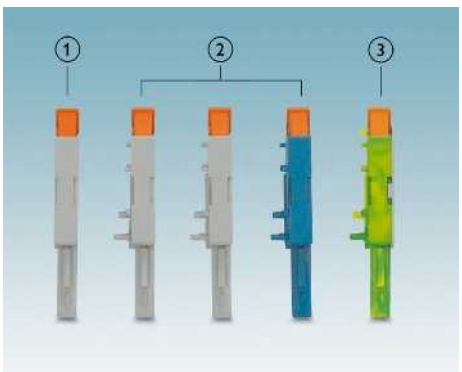
Accessories[1])

Test plug metal part, 2.3 mm Ø		silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.		orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.		orange	**PR**	**3040559**	50
2-pos.		orange	**PR/2**	**3040630**	50
Strain relief, for connectors, 2-pos.		black	**PZ/2**	**3040627**	50
4-pos.		black	**PZ/4**	**3040643**	50

COMBI connectors



- The QT-COMBI connectors for self-assembly provide solutions that users can implement themselves
- The QP 1,5/... fast connector is designed for connection of solid and stranded conductors
- The conductor is connected using the familiar IDC rotation connection with no stripping, thus saving time
- The connector with fast connection is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.
  ① QP 1,5/1-L
  ② QP 1,5/1-M and QP 1,5/1-M BU
  ③ QP 1,5/1-R GNYE



Notes:

[1]) For additional accessories and technical data, see page 306.

[2]) For derating curve, visit phoenixcontact.net/products

For further accessories, see page 312.

① —○



17.5 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height	Height when plugged in
		5.2 x Number of positions	**20**	**40**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5[2])	**500**	**0.25 - 1.5**	**24-16**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	10 / -	10 / -	-

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs. / Pkt.
COMBI connector, left element	1	gray	**QP 1,5/ 1-L**	①	**3051014**	50
	1	blue	**QP 1,5/ 1-L BU**	①	**3051027**	50
	1	green-yellow	**QP 1,5/ 1-L GNYE**	①	**3051030**	50
COMBI connector, center element	1	gray	**QP 1,5/ 1-M**	①	**3051043**	50
	1	blue	**QP 1,5/ 1-M BU**	①	**3051056**	50
	1	green-yellow	**QP 1,5/ 1-M GNYE**	①	**3051069**	50
COMBI connector, right element	1	gray	**QP 1,5/ 1-R**	①	**3051072**	50
	1	blue	**QP 1,5/ 1-R BU**	①	**3051085**	50
	1	green-yellow	**QP 1,5/ 1-R GNYE**	①	**3051098**	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	silver	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50
4-pos.	black	**PZ/4**	**3040643**	50

Cross-reference list: COMBI accessories

Accessories

Connectors	PZ 1,5/S/2 Order No.: 3212918	PZ/2 Order No.: 3040627	PZ/4 Order No.: 3040643	UPZ/2 Order No.: 3045554	PDZ/2 Order No.: 3040562	PDZ/4 Order No.: 3040575	CZ/2 Order No.: 3043831	PRZ-1,5/S Order No.: 3212905	PRZ Order No.: 3040614
 UPBV 2,5...				■					
 UPBV 4...				■					
 UP 4... UP 6...		■							■
 UPCT 4/...				■					
 PP-H 1,5...	■							■	
 PP-H 2,5...		■	■						■
 PP-H 4...		■							■
 PP-H 6... PPCT 6/...		■							■
 SP 2,5...		■	■						■
 SP-H 2,5...		■	■						■
 SPV 2,5...		■	■						
 SP 4...		■							■
 SPB 2,5...		■	■						■
 SPDB 2,5...					■	■			
 QP 1,5...		■	■						■
Couplings									
 PPC 1,5...	■								
 PPC 6...		■							
 SC 2,5...					■	■			
 SC 4...							■		

UPRZ Order No.: 3045570	PR-1,5/S Order No.: 3212882	PR-1,5/S/2 Order No.: 3212895	PR Order No.: 3040559	PR/2 Order No.: 3040630	PRT/2 Order No.: 3040631	PRV/2 Order No.: 3041862	UPR/2 Order No.: 3045567	PH 1,5/S/... Order No.: 3212...	PH 2,5/... Order No.: 3209...	PH 4/... Order No.: 3000...	PH 6/... Order No.: 3000...
											
■							■				
■					■		■				
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	■	■						■			
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			■	■	■						
			■	■	■						
			■	■	■						
								■			

Strain relief for connectors



- Strain relief can be snapped onto the outside of the connector as an option
- The conductor can be fixed using Phoenix Contact cable binders

Notes:

For application options for accessories, refer to page 311.

For corresponding cable binders, see Catalog 5.



Technical data

General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Strain relief, for connector and coupling, 2-pos.	black	**PZ 1,5/S/2**	**3212918**	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	**3040627**	50
4-pos.	black	**PZ/4**	**3040643**	50
Strain relief, for UPBV... connectors, 2-pos.	black	**UPZ/ 2**	**3045554**	50

Strain relief for connectors and couplings



- The strain relief is snapped into the connector center on the spring-cage connector or spring-cage couplings.
- The conductor can be fixed using Phoenix Contact cable binders

Notes:

For application options for accessories, refer to page 311.

For corresponding cable binders, see Catalog 5.



Technical data

General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos.	black	**PDZ/2**	**3040562**	50
4-pos.	black	**PDZ/4**	**3040575**	50
Strain relief, for SC 4... coupling, 2-pos.	black	**CZ/2**	**3043831**	50

Snap-lock device and strain relief



– Snap-lock fitting and strain relief in one component
– Can be snapped into connector housing as an option
– The conductor can be fixed using Phoenix Contact cable binders

Notes:

For application options for accessories, refer to page 311.

For corresponding cable binders, see Catalog 5.



Technical data

General data	
Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ 1,5/S**	**3212905**	50
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching and strain relief, for UPBV.... connectors, 2-pos.	orange	**UPRZ**	**3045570**	50

Snap-lock fitting



– Can be used in all connector versions
– It is snapped into the outside of the connector housing and hooks onto the terminal block housing when the connector is snapped on

Notes:

For application options for accessories, refer to page 311.



Technical data

General data	
Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Latching, for connectors, 1-pos.	orange	**PR 1,5/S**	**3212882**	50
2-pos.	orange	**PR 1,5/S/2**	**3212895**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Snap-on, for SPV... connectors, 2-pos.	orange	**PRV/2**	**3041862**	50
Latching, for UPBV... connectors, 2-pos.	orange	**UPR/ 2**	**3045567**	50
Latching, for connectors, release with just a screwdriver	orange	**PRT/2**	**3040631**	50

PSH... shielding

Notes:

For corresponding cable binders, see Catalog 5.





- For connecting shielded cables
- Is snapped into a strain relief once the connector has been wired
- Connected shielded cable is fixed using a cable binder
- The shielding's connecting cable is connected via the connector and then makes direct contact with the terminal block upon connection

Technical data

General data

Material	PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Shielding, for mounting on PZ/... and PRZ, 2-pos., for cables with 3 ... 6 mm diameter, cable length: 55 mm	black	**PSH 3- 6**	**3040591**	50
Cable length: 500 mm	black	**PSH 3- 6 500MM**	**3061525**	10
For cables with 5 ... 10 mm diameter, cable length: 55 mm	black	**PSH 5-10**	**3040601**	50

PC coding





- Can be used in all terminal blocks, couplings, and PCB base elements
- The individual coding elements are inserted at the coding position in the basic terminal block and the coding tab is removed at the corresponding point of the connector

Technical data

General data

Material	PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50

CP... connector housing



- Connector housing, for accommodating conductors with crimped module socket contacts
- As an alternative to the COMBI connectors, can be used in all plug-in 4 mm² terminal blocks of the CLIPLINE complete system, COMBI, see cross-reference list, page 228
- Latches can be optionally fitted, see page 313

Technical data

General data	
Material	-

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Connector housing, for accommodating module socket contacts	gray	**CP 4/6**	**3061049**	10

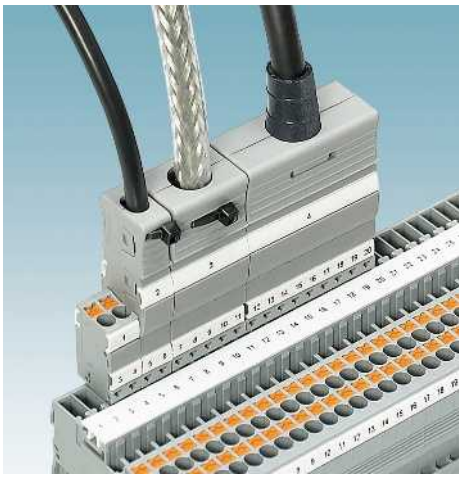
Accessories

Module socket contact, 0.5 - 1 mm²	silver	**STG-MTN 0,5-1,0**	**3190438**	100
For conductors from 1.5 ... 2.5 mm²	silver	**STG-MTN 1,5-2,5**	**3190506**	100

Cable housing for COMBI connector

Notes:

For additional accessories, visit phoenixcontact.net/products.



- Robust cable housing for strain relief on connection cables
- Two-section housing
- Easy assembly
- Secure latching on the COMBI connectors and COMBI couplings provided
- Add, as with the connectors, without loss of pitch
- Additional scope for marking to mark the connectors
- The conductor can be fixed using Phoenix Contact cable binders



Cable housing, 3- to 15-pos., snap-in to PP-H 1,5 connector and PPC 1,5 coupling

Technical data

General data	
Material	PA

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
Cable housing, for PP–H 1,5... and PPC 1,5...						
	3	10.5 mm	gray	**PH 1,5/S/3**	**3212756**	50
	4	14 mm	gray	**PH 1,5/S/4**	**3212769**	50
	5	17.5 mm	gray	**PH 1,5/S/5**	**3212772**	50
	6	21 mm	gray	**PH 1,5/S/6**	**3212785**	25
	7	24.5 mm	gray	**PH 1,5/S/7**	**3212798**	25
	8	28 mm	gray	**PH 1,5/S/8**	**3212808**	25
	9	31.5 mm	gray	**PH 1,5/S/9**	**3212811**	25
	10	35 mm	gray	**PH 1,5/S/10**	**3212824**	25
	11	38.5 mm	gray	**PH 1,5/S/11**	**3212837**	10
	12	42 mm	gray	**PH 1,5/S/12**	**3212840**	10
	13	45.5 mm	gray	**PH 1,5/S/13**	**3212853**	10
	14	49 mm	gray	**PH 1,5/S/14**	**3212866**	10
	15	52.5 mm	gray	**PH 1,5/S/15**	**3212879**	10
Cable housing, for SP-H... and PP-H... COMBI connectors						
	2	10.4 mm	gray			
	3	15.6 mm	gray			
	4	20.8 mm	gray			
	5	26 mm	gray			
	6	31.2 mm	gray			
	7	36.4 mm	gray			
	8	41.6 mm	gray			
	9	46.8 mm	gray			
	10	52 mm	gray			
	11	57.2 mm	gray			
	12	62.4 mm	gray			
	13	67.6 mm	gray			
	14	72.8 mm	gray			
	15	78 mm	gray			
Cable housing, for PP–H 4... COMBI connectors						
	2	12.4 mm	gray			
	3	18.6 mm	gray			
	4	24.8 mm	gray			
	5	31 mm	gray			
	6	37.2 mm	gray			
	7	43.4 mm	gray			
	8	49.6 mm	gray			
	9	55.8 mm	gray			
	10	62 mm	gray			
Cable housing, for PP–H 6... COMBI connectors						
	2	16.4 mm	gray			
	3	24.6 mm	gray			
	4	32.8 mm	gray			
	5	41 mm	gray			
	6	49.2 mm	gray			
	7	57.4 mm	gray			

Accessories

Bend protection sleeve, for 3 - 9 mm cable diameter, suitable for PH 1,5/S/5 - PH 1,5/S/8 and PH 2,5/3 - PH 2,5/5			black	**CPH 3-9**	**3212015**	25



Cable housing, 2- to 15-pos., snap-in to PP-H 2,5... and SP-H 2,5 connectors



Cable housing, 2- to 10-pos., snap-in to PP-H 4 connector



Cable housing, 2- to 7-pos., snap-in to PP-H 6 connector

Technical data

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
PH 2,5/ 2	**3209691**	50
PH 2,5/ 3	**3209701**	50
PH 2,5/ 4	**3209714**	50
PH 2,5/ 5	**3209727**	50
PH 2,5/ 6	**3209730**	25
PH 2,5/ 7	**3209743**	25
PH 2,5/ 8	**3209756**	25
PH 2,5/ 9	**3209507**	25
PH 2,5/10	**3209769**	25
PH 2,5/11	**3209772**	10
PH 2,5/12	**3209785**	10
PH 2,5/13	**3209798**	10
PH 2,5/14	**3209808**	10
PH 2,5/15	**3209811**	10

Accessories

CPH 3-9	**3212015**	25

Technical data

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
PH 4/2	**3000734**	50
PH 4/3	**3000736**	50
PH 4/4	**3000737**	50
PH 4/5	**3000738**	50
PH 4/6	**3000739**	25
PH 4/7	**3000740**	25
PH 4/8	**3000741**	25
PH 4/9	**3000742**	25
PH 4/10	**3000743**	25

Accessories

CPH 3-9	**3212015**	25

Technical data

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
PH 6/2	**3000680**	25
PH 6/3	**3000681**	25
PH 6/4	**3000682**	25
PH 6/5	**3000683**	25
PH 6/6	**3000684**	10
PH 6/7	**3000685**	10

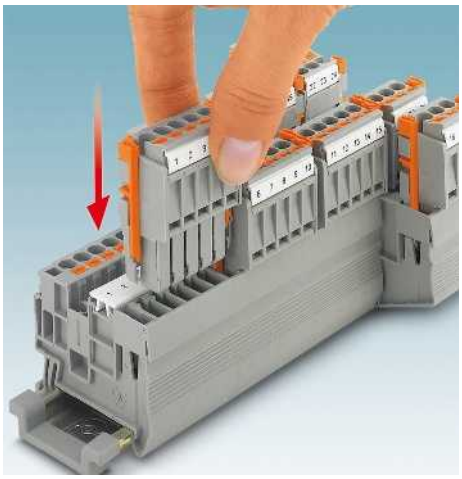
Accessories

Self-locking flange cover

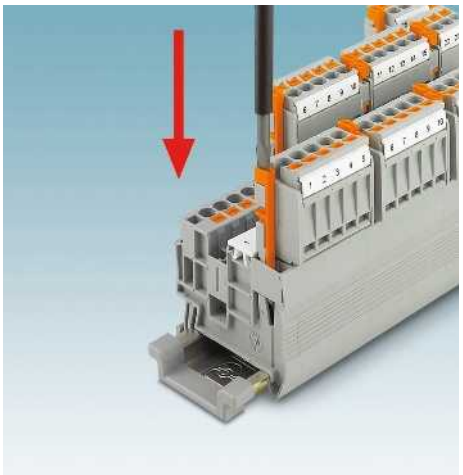


The secure latching protects the connectors from coming loose by mistake.

– The **self-locking flanges** are snapped onto the DIN rail directly
– Same shape and pitch as the basic terminal blocks
– Due to the offset arrangement of the locking holes, only one self-locking flange is required between two neighboring connectors
– The **self-locking flange covers** can be snapped onto the connector housing later on
– Automatic latching in self-locking flange



– When connecting, the connectors latch automatically in the self-locking flange



– The connector is released again by pressing down the locking hook with a screwdriver

General data
Insulating material

Description	Color
Self-locking flange cover, for SPB 2,5	gray
Self-locking flange cover, for SPDB 2,5	gray
Self-locking flange cover, for SP–H 2,5... and PP–H 2,5...	gray
Self-locking flange, for ST-COMBI and PT-COMBI terminal blocks when using SPB 2,5…, SPDB 2,5…, SP-H 2,5…, and PP-H 2,5 connectors, for ST 2,5/1P, ST 2,5/1P-PE, PT 2,5/1P, PT 2,5-PE/1P"	gray
for ST 2,5-TWIN/1P, ST 2,5-TWIN/1P-PE, PT 2,5-TWIN/1P, PT 2,5-TWIN/1P-PE	gray
for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, PT 2,5-QUATTRO/2P, PT 2,5-QUATTRO/2P-PE	gray
for ST 2,5-QUATTRO/4P, ST 2,5-QUATTRO/4P-PE	gray
for ST 2,5/2P, ST 2,5/2P-PE	gray
for STTB 2,5/2P, STTB 2,5/2P-PE, PTTB 2,5/2P, PTTB 2,5/2P-PE	gray



Self-locking flange cover



Self-locking flange

EAC

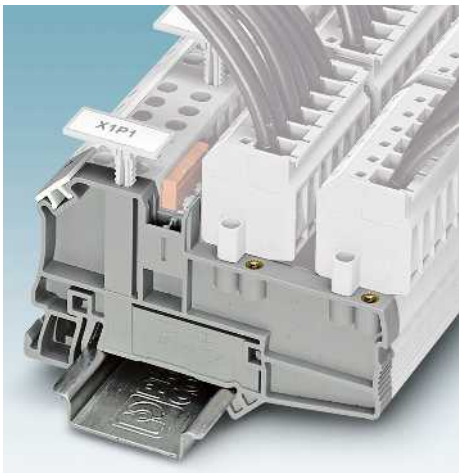
Technical data
PA

Ordering data		
Type	Order No.	Pcs. / Pkt.
DFS-SPB 2,5	3061444	50
DFS-SPDB 2,5	3061457	50
DFS-SP-H 2,5	3061431	50

Technical data
PA

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5/1P-FS	3061376	50
ST 2,5-TWIN/1P-FS	3061389	50
ST 2,5-QUATTRO/2P-FS	3061392	50
ST 2,5-QUATTRO/4P-FS	3061402	50
ST 2,5/2P-FS	3061415	50
STTB 2,5/2P-FS	3061428	50

Screw flange and flange cover



The secure latching protects the connectors from coming loose by mistake.

- The **screw flanges** snapped onto the DIN rail directly
- Same shape and pitch as the basic terminal blocks
- Due to the offset arrangement of the screw sockets, only one basic flange is required between two neighboring connectors
- The **screw flange covers** can be snapped onto the connector housing later on
- For reliably screwing down the connector with the screw flange



Screw flange cover

Technical data

General data		
Tightening torque	[Nm]	0.4 - 0.5
Insulating material		PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Screw flange cover, for UP 4 COMBI connector	gray	**DF-UP 4**	**3060348**	50
For UP 6 COMBI connector	gray	**DF-UP 6**	**3060856**	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	gray	**DF-UPBV 2,5/ 4**	**3060432**	50
Screw flange cover, for SP–H ... and PP–H ... COMBI connectors	gray	**DF-SP-H 2,5**	**3209824**	50
Screw flange, for UT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP–H 2,5 connectors for UT 2,5/1P, UT 2,5/1P–PE	gray			
for UT 2,5-TWIN/1P	gray			
for UTTB 2,5/ 2P, UTTB 2,5/ 2P-PV, UTTB 2,5/ 2P-PE	gray			
for UT 4/ 1P, UT 4/ 1PPE	gray			
for UT 2,5-TWIN/ 1P, UT 2,5-TWIN/ 1P-PE, UT 4-TWIN/ 1P, UT 4-TWIN/ 1P-PE	gray			
for UT 4–QUATTRO/2P, UT 4–QUATTRO/2P–PE	gray			
for UT 6–OUATTRO/2P, UT 6–OUATTRO/2P–PE	gray			
Screw flange, for ST-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP–H 2,5 connectors for ST 2,5/1P, ST 2,5/1P–PE, PT 2,5/1P, PT 2,5/1P–PE	gray			
for ST 2,5/2P, ST 2,5/2P–PE, PT 2,5/2P, PT 2,5/2P–PE	gray			
for ST 2,5–TWIN/1P, ST 2,5–TWIN/1P–PE, PT 2,5–TWIN/1P, PT 2,5–TWIN/1P–PE	gray			
for ST 2,5–QUATTRO/2P, ST 2,5–QUATTRO/2P–PE, ST 2,5–TWIN–MT/1P, ST 2,5–TWIN–TG/1P, PT 2,5–QUATTRO/2P, PT 2,5–QUATTRO/2P–PE	gray			
for ST 2,5-QUATTRO/4P, ST 2,5-QUATTRO/4P-PE	gray			
for STTB 2,5/2P, STTB 2,5/2P–PV, STTB 2,5/2P–PE, PTTB 2,5/2P	gray			
Screw flange, for QT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP–H 2,5 connectors for QTC 1,5/1P, QTC 1,5/1P–PE	gray			
for QTTCB 1,5/ 2P, QTTCB 1,5/ 2PPE	gray			





Screw flange



Screw flange



Screw flange

EAC

Technical data

0.4 - 0.5
PA

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 2,5/1P-F	3060445	50
UT 2,5-TWIN/1P-F	3061172	50
UTTB 2,5/2P-F	3060474	50
UT 4/ 1P-F	3060458	50
UT 4-TWIN/ 1P-F	3060322	50
UT 4-QUATTRO/ 2P-F	3060335	50
UT 6-QUATTRO/2P-F	3060843	50

EAC

Technical data

0.4 - 0.5
PA

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5/1P-F	3209837	50
ST 2,5/2P-F	3061198	50
ST 2,5-TWIN/1P-F	3209840	50
ST 2,5-QUATTRO/2P-F	3209853	50
ST 2,5-QUATTRO/4P-F	3061208	50
STTB 2,5/2P-F	3061169	50

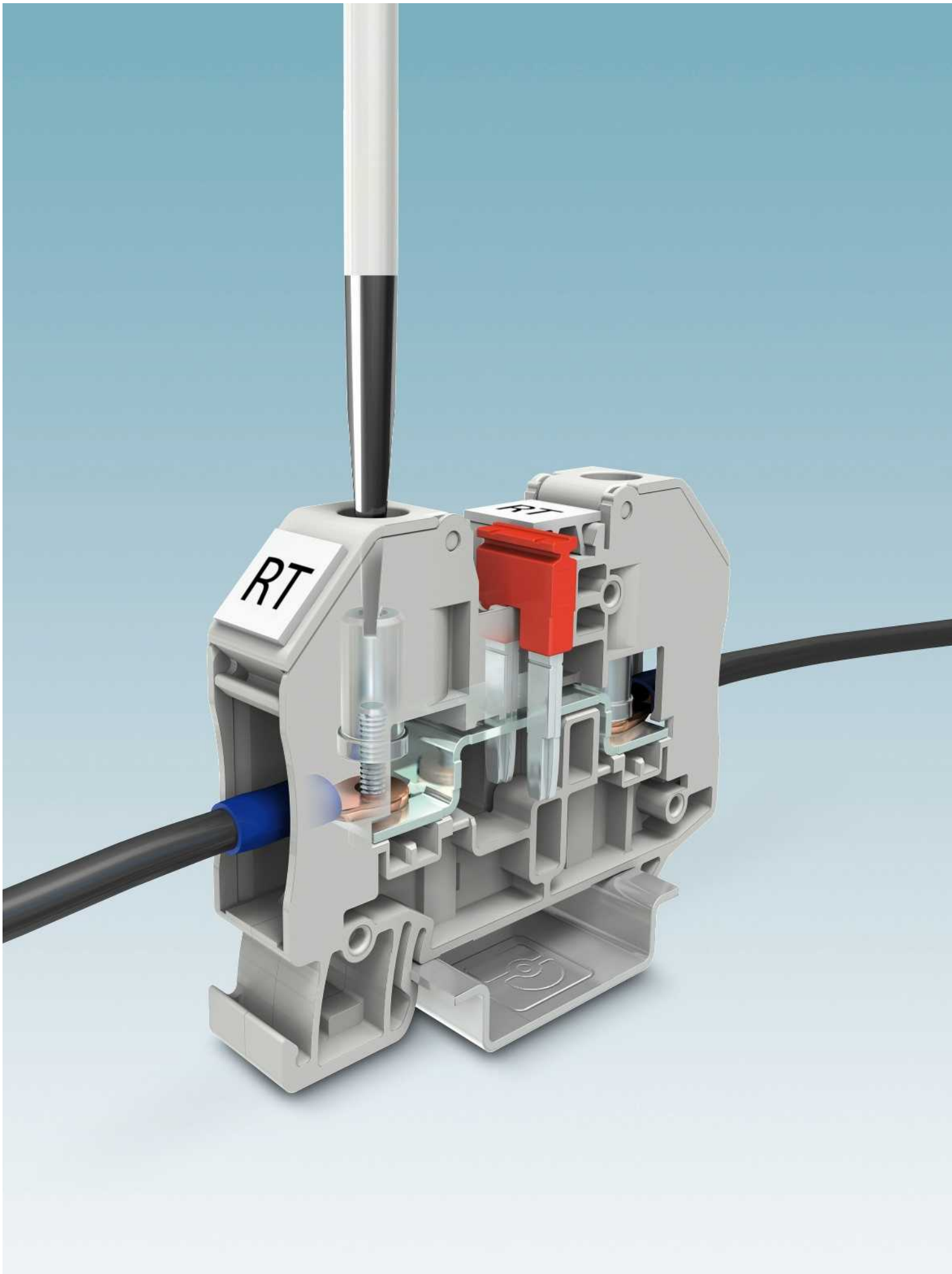
EAC

Technical data

0.4 - 0.5
PA

Ordering data

Type	Order No.	Pcs. / Pkt.
QTC 1,5/1P-F	3061211	50
QTTCB 1,5/ 2P-F	3061185	50


RT
RT

RT... bolt connection terminal blocks

The RT... bolt connection terminal blocks have been developed with a robust design and for the convenient wiring of ring cable lugs. The key feature of these terminal blocks is the hinged cover which can be swung up and which features a captive cap nut. This ensures quick and easy ring cable lug wiring.

The integrated screw locking in the form of a spring retainer guarantees safe use, even in applications which are subject to shock and vibration.

All ring cable lugs which comply with DIN 46234, DIN 46235 or DIN 46237 can be connected.

A special characteristic of the bolt connection is the often required multi-conductor connection, on which up to four cable lugs can be connected per bolt.

All kinds of conductors up to 240 mm² can be wired securely and with long-term stability.

Product range overview

2.5 mm²

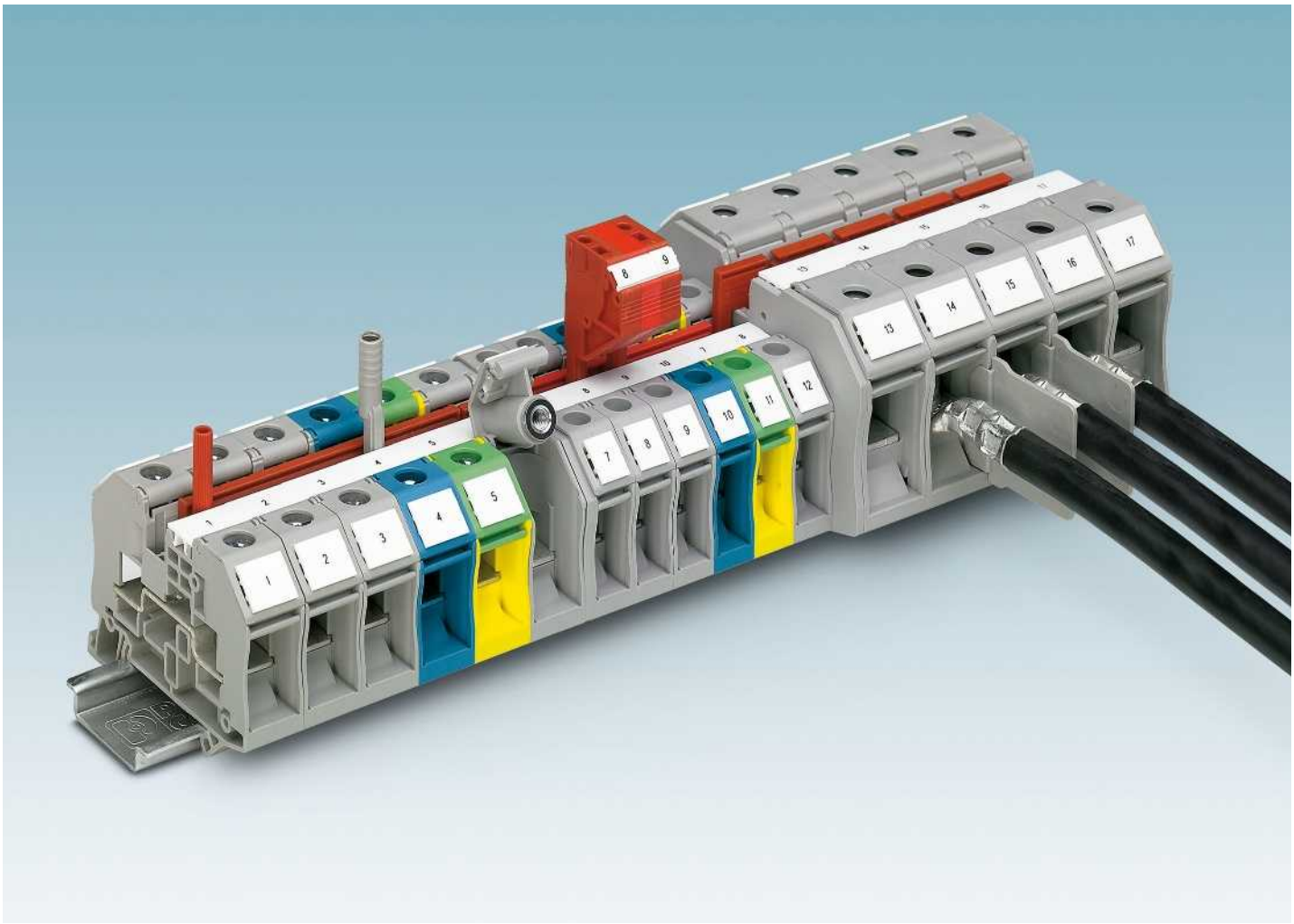
Feed-through terminal blocks and ground terminals **329**

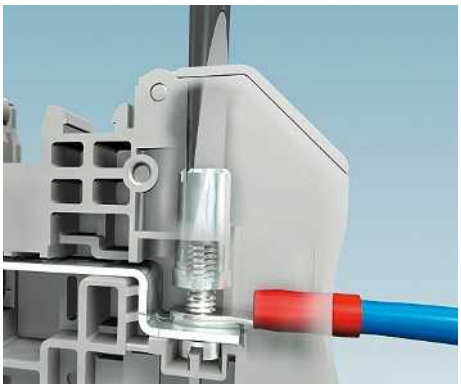
6 mm²

Feed-through terminal blocks, ground terminals, and test disconnect terminal blocks **331**

35 mm²

Feed-through terminal blocks **335**





Robust and zero-maintenance

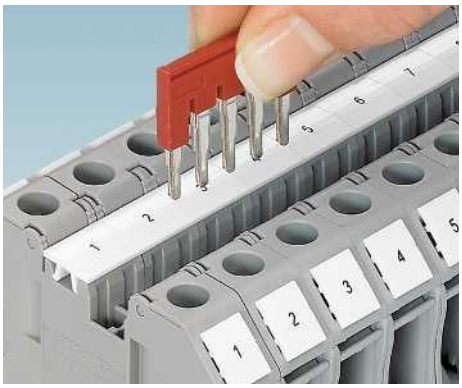
The bolt connection technology is used in numerous applications. The benefits are:

– Robust contact
– Zero maintenance thanks to integrated screw retention
– Multiple conductor connection



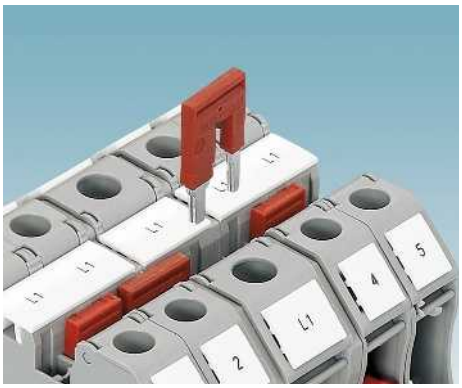
Snap-on PE foot

Ground terminals of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of the IEC 60947-7-2 standard.

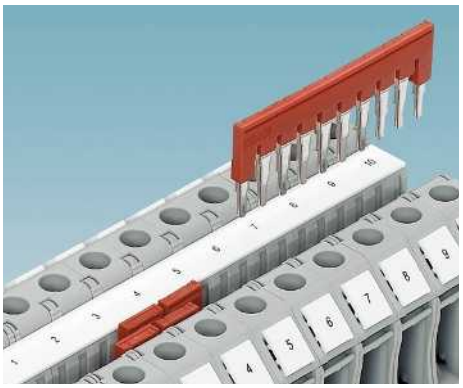


Flexible jumper system

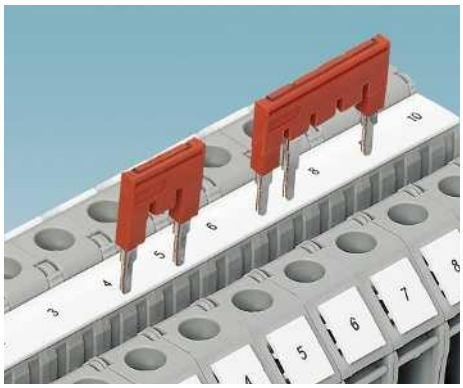
The potential distribution can be implemented at speed with the standardized jumpers. Using two bridge shafts in all terminal blocks makes flexible chain, level or jumping bridges possible.



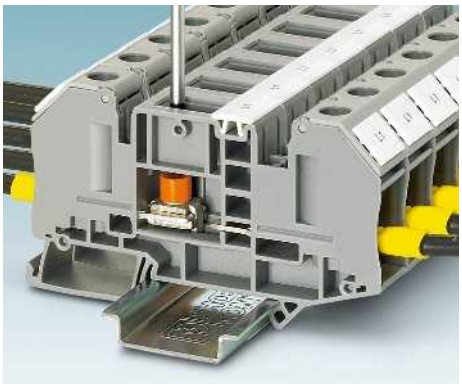
The reducing bridge enables a simple connection of terminal blocks with different nominal cross sections, e.g., an RT 8 with an RT 3 terminal block. Power blocks can be created quickly using the reducing bridge.



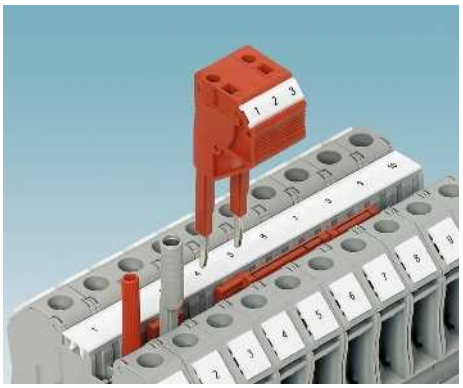
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2 to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



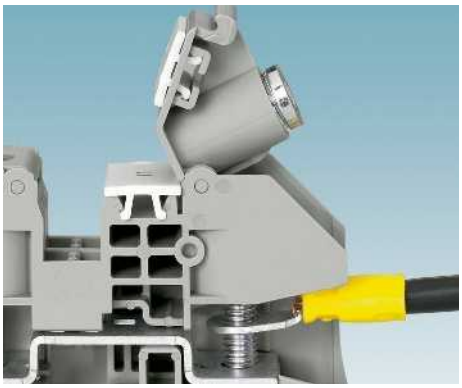
The RT 5-T is used in applications where the connections have to be separable. The feed-through can be opened or closed using a screwed disconnect slide without the contact points having to be released.



A test plug with a diameter of 2.3 mm is available for measuring lines and a test adapter with a diameter of 4 mm is available for safety test plugs. Test adapters can be implemented quickly with the alignable test plug.



Clear marking can be easily produced with the RT... terminal blocks. Large and clear marking in the middle of the terminal block guarantees reliable and quick installation.



The hinged cover typical of RT... terminal blocks ensures finger protection when using an insulated cable lug. Connecting the conductor is also a much simpler process thanks to the captive, integrated cap nut. Each terminal point can also be marked on the hinged cover itself.



The open RTO series has the same shape as the RT... series. This features standard hexagonal nuts rather than the cap nuts used in the hinged cover. A version with a transparent cover provides shock protection. The right terminal block is therefore available for every application.



The RT... and RTO... terminal blocks can be wired with uninsulated cable lugs as well. These are fitted with BE-RT plug-on dividing panels to guarantee the high rated voltages.

RT ... feed-through terminal blocks



- Easy to operate and use thanks to the robust bolt connection
- Universal use thanks to large cross section range
- Space saving thanks to the compact design
- Easy potential distribution with time-saving jumper system
- Safety for the user thanks to integrated shock protection
- Comprehensive range of accessories: standardized for bridging, testing, and marking

Your web code: #0051

RT ... test disconnect terminal blocks



- Easy and safe operation thanks to clear indication of switching states
- Maximum functionality – up to six universal function shafts for potential distribution or for test purposes
- Modular expansion thanks to feed-through terminal blocks and ground terminals of the same shape
- Optimum overview of connections thanks to large-surface marking options
- High degree of convenience for all the necessary test circuits in secondary current transformer circuits

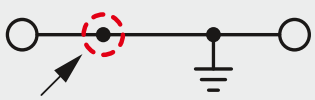
Your web code: #0052

2.5 mm² RT... bolt connection terminal blocks

General technical data for 2.5 mm² RT... bolt connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm²]	2.5
Cross section range	AWG	26 - 14
Connection capacity, DIN 46234		
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6
Connection capacity, DIN 46237		
Cable lugs DIN 46237	[mm²]	1 - 2.5
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6
Color code	red	1.00 mm²
Color code	blue	2.50 mm²
General data		
Tightening torque	[Nm]	0.6 - 0.8
Bolt thread		M3
Insulating material		PA
Inflammability class according to UL 94		V0
Note: additional or deviating data is documented for the product.		

Notes:

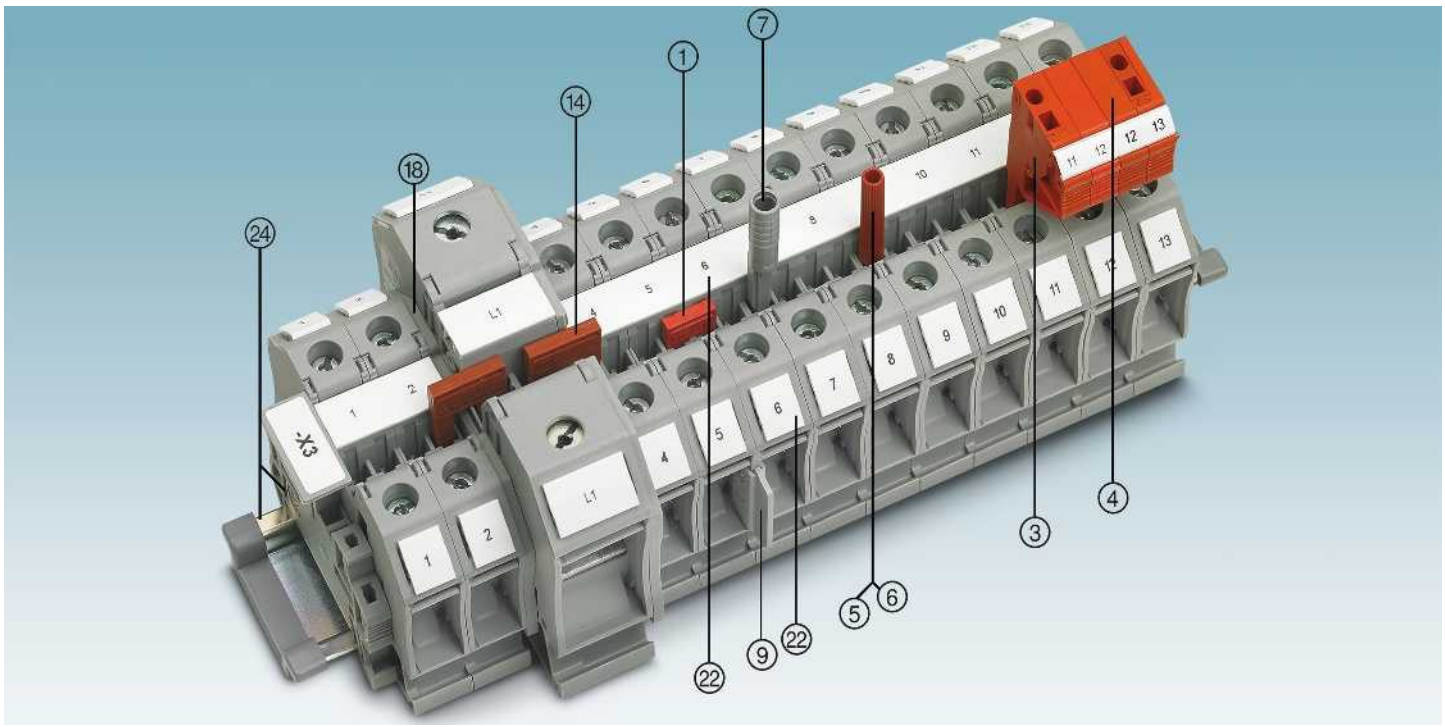


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 2.5 mm² RT... bolt connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-6**	**3030336**	50	**FBSR 2-6**	**3033715**	50
	3	red	**FBS 3-6**	**3030242**	50	**FBSR 3-6**	**3001594**	50
	4	red	**FBS 4-6**	**3030255**	50	**FBSR 4-6**	**3001595**	50
	5	red	**FBS 5-6**	**3030349**	50	**FBSR 5-6**	**3001596**	50
	10	red	**FBS 10-6**	**3030271**	10	**FBSR 10-6**	**3033716**	10
	20	red	**FBS 20-6**	**3030365**	10			
③ **Modular test plug**		red	**PS-6**	**3030996**	10			
④ **Spacer plate**		red	**DP PS-6**	**3036738**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑨ **Path extension**		gray	**BE-RT 3/5**	**3049819**	100			
Screwdriver			**SZS 1,0X6,5 VDE**	**1205079**	10			
Socket wrench			**SHN 5.5**	**1209855**	10			

⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑱ **Cover**	**Documented for the product.**
㉒ **Center and lateral groove marking**	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through terminal blocks and ground terminals

Notes:

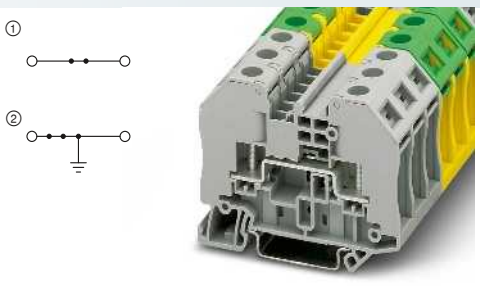
[1]) For additional accessories and technical data, see page 328.

When using multi-position PS-... test plugs that are mounted side by side, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal block width, see page 346.

For CARRIER 35-8 separating disk with storage option for jumpers, visit phoenixcontact.net/products.

For further bolt connection terminal blocks, see page 478.

For information on installation and using accessories for Ex applications, see page 602.



24 A, feed-through terminal block

Ex: Ex

PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

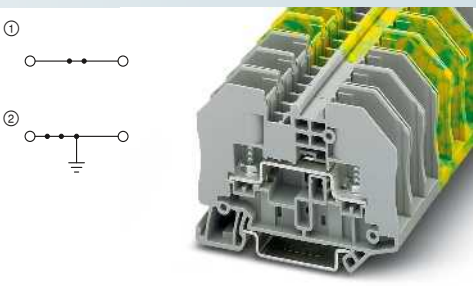
Dimensions				
	[mm]	Width	Length	Height
		12.3	**66**	**51 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**1000**	**0.1 - 2.5** / **-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	- / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	30 / -	- / 24 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**RT 3**	①	**3049013**	50
	blue	**RT 3 BU**	①	**3049110**	50
Ground terminal	green-yellow	**RT 3-PE**	②	**3049411**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-RT 3/5**	**3049097**	50



24 A, feed-through terminal block, open

Ex: Ex

PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

		Width	Length	Height
		12.3	**66**	**49.9 (NS 35/7,5)**
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**1000**	**0.1 - 2.5** / **-**
		32 (FBS) / 24 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		1000	600	- / 550
		24 / 2.5	30 / -	- / 24 / 2.5

Ordering data

Type		Order No.	Pcs. / Pkt.
RTO 3	①	**3049518**	50
RTO 3 BU	①	**3049660**	50
RTO 3-PE	②	**3049615**	50

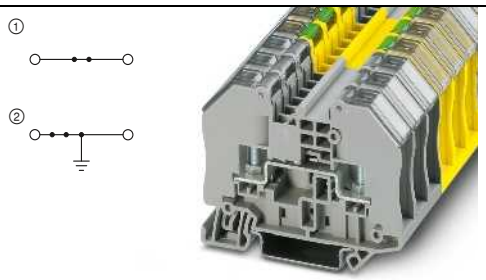
Accessories[1])

D-RT 3/5	**3049097**	50

Feed-through terminal blocks and ground terminals

Notes:

[1]) For additional accessories and technical data, see page 328.



24 A, feed-through terminal block, with transparent shock protection cover

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		12.3	**66**	**51 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**1000**	**0.1 - 2.5** / **-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	-	- / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	- / -

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**RTO 3-TC**	①	**3049945**	50
	blue	**RTO 3-TC BU**	①	**3049835**	50
Ground terminal	green-yellow	**RTO 3-PE-TC**	②	**3049958**	50

Accessories[1])

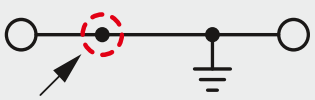
Cover, width 2.2 mm	gray	**D-RT 3/5**	**3049097**	50

6 mm² RT... bolt connection terminal blocks

General technical data for 6 mm² RT... bolt connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm²]	6
Cross section range	AWG	26 - 10
Connection capacity, DIN 46234		
Cable lugs, DIN 46234	[mm²]	0.5 - 6
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10
Connection capacity, DIN 46237		
Cable lugs DIN 46237	[mm²]	1 - 6
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10
Color code	red	1.00 mm²
Color code	blue	2.50 mm²
Color code	yellow	6.00 mm²
General data		
Tightening torque	[Nm]	2.5 - 3
Bolt thread		M5
Insulating material		PA
Inflammability class according to UL 94		V0
Note: additional or deviating data is documented for the product.		

Notes:

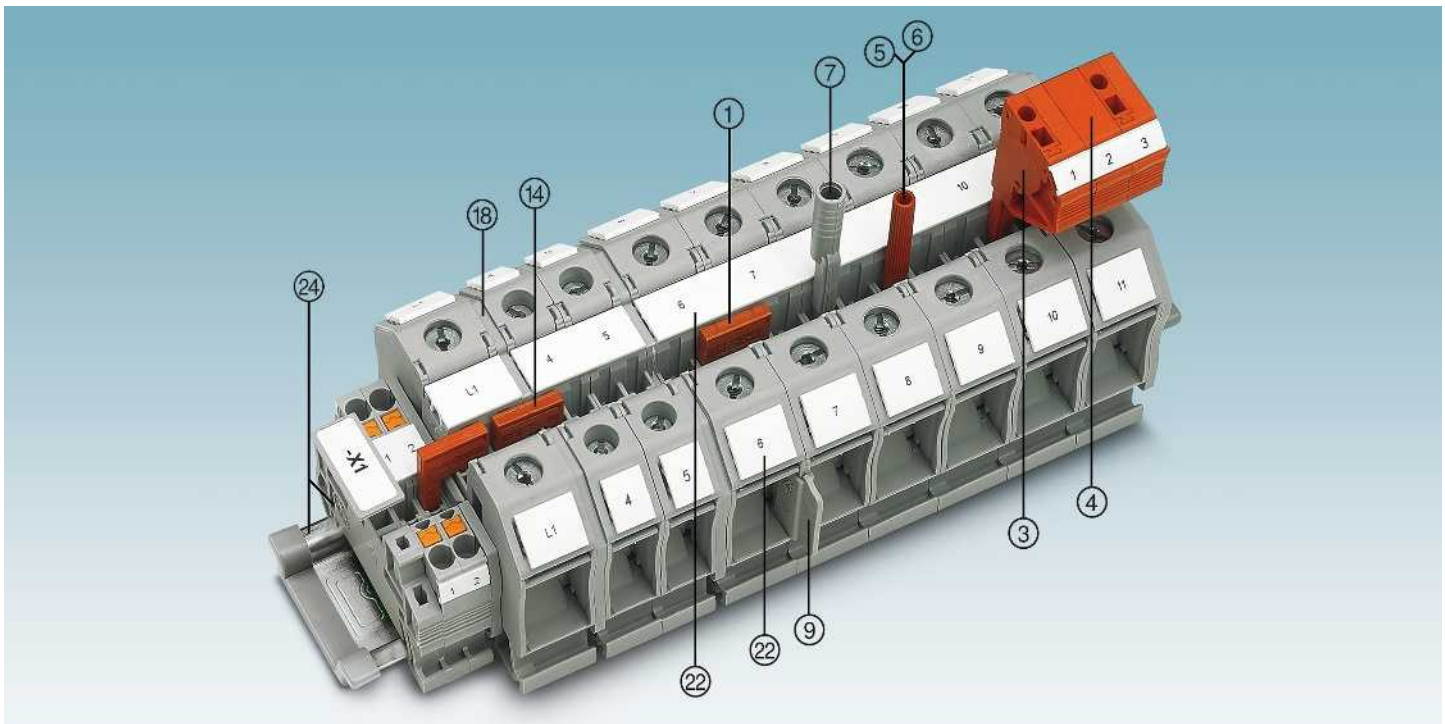


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 6 mm² RT... bolt connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-8**	**3030284**	10	**FBSR 2-8**	**3033808**	10
	3	red	**FBS 3-8**	**3030297**	10	**FBSR 3-8**	**3001597**	10
	4	red	**FBS 4-8**	**3030307**	10	**FBSR 4-8**	**3000585**	10
	5	red	**FBS 5-8**	**3030310**	10	**FBSR 5-8**	**3033809**	10
	10	red	**FBS 10-8**	**3030323**	10	**FBSR 10-8**	**3001599**	10
	16	red				**FBSR 16-8**	**3033816**	10
③ **Modular test plug**		red	**PS-8**	**3031005**	10			
④ **Spacer plate**		red	**DP PS-8**	**3036741**	10			
⑤ **Test plug metal part**		silver	**MPS-MT**	**0201744**	10			
⑥ **Insulating sleeve,** for MPS metal part		red	**MPS-IH RD**	**0201676**	10			
⑦ **Test adapter,** 4 mm socket hole		gray	**PAI-4-N GY**	**3032871**	10			
⑨ **Path extension**		gray	**BE-RT 3/5**	**3049819**	100			
Screwdriver			**SZS 1,0X6,5 VDE**	**1205079**	10			
Socket wrench			**SHN 8**	**1209868**	1			

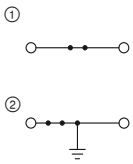
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑰ **Partition plates/end cover segments**	**For ATP-... / DS-..., visit phoenixcontact.net/products**
⑱ **Cover**	**Documented for the product.**
㉒ **Center and lateral groove marking**	**UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through terminal blocks and ground terminals

Notes:

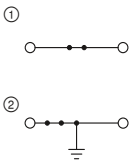
[1]) For additional accessories and technical data, see page 330.

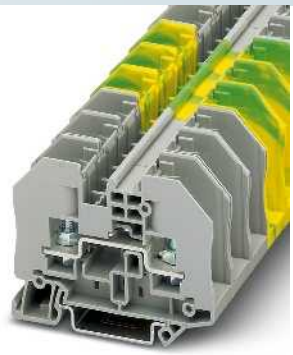
For information on installation and using accessories for Ex applications, see page 602.





41 A, feed-through terminal block





41 A, feed-through terminal block, open

Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		16.3	**66**	**51 (NS 35/7,5)**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	**1000**	**0.1 - 6** / **-**
Max. bridge current	[A]	41 (FBS)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	- / 550
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	- / 41 / 6

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**RT 5**	①	**3049026**	50
	blue	**RT 5 BU**	①	**3049123**	50
With transparent shock-protection hood	gray				
	blue				
Ground terminal	green-yellow	**RT 5-PE**	②	**3049424**	50
With transparent shock-protection hood	green-yellow				

Accessories[1])

Cover, width 2.2 mm	gray	**D-RT 3/5**	**3049097**	50

Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

		Width	Length	Height
		16.3	**66**	**49.9 (NS 35/7,5)**
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	**1000**	**0.1 - 6** / **-**
		41 (FBS)		
		IEC	UL / CUL	CSA / Ex
		1000	600	- / 550
		41 / 6	30 / -	- / 41 / 6

Ordering data

Type		Order No.	Pcs. / Pkt.
RTO 5	①	**3049521**	50
RTO 5 BU	①	**3049767**	50
RTO 5-TC	①	**3049961**	50
RTO 5-TC BU	①	**3049851**	50
RTO 5-PE	②	**3049628**	50
RTO 5-PE-TC	②	**3049974**	50

Accessories[1])

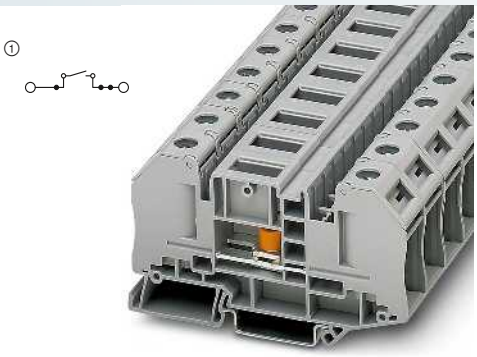
D-RT 3/5	**3049097**	50

Test disconnect terminal blocks

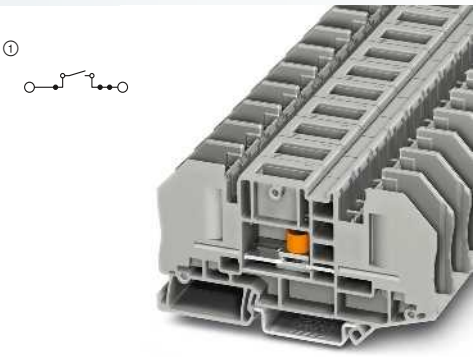
Notes:

[1]) For additional accessories and technical data, see page 330.

[2]) Rated voltage for 500 V open disconnect point.



41 A, test disconnect terminal block



41 A, test disconnect terminal block, open

cULus EAC ABS

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**16.3**	**91.4**	**51 (NS 35/7,5)**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41	**1000[2])**	**0.1 - 6**	**-**
Max. bridge current [A]	41 (FBS) / 32 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000[2])	600	-	-
Nominal current / cross section [A] / [mm²]	41 / 6	30 / -	-	-
General data				
Tightening torque disconnect slide [Nm]	1.5 - 1.8			

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
RT 5-T	①	**3049039**	25

Accessories[1])			
D-RT 5-T		**3049291**	50

cULus EAC ABS

Technical data[1])				
Width	Length	Height		
16.3	**91.4**	**49.9 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
41	**1000[2])**	**0.1 - 6**	**-**	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000[2])	600	-	-	
41 / 6	30 / -	-	-	
1.5 - 1.8				

Ordering data			
Type		**Order No.**	Pcs. / Pkt.
RTO 5-T	①	**3049233**	25
RTO 5-T-TC	①	**3049990**	25

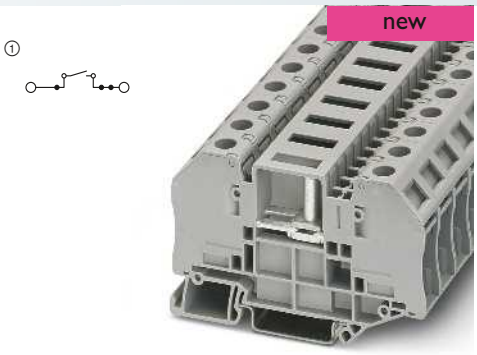
Accessories[1])			
D-RT 5-T		**3049291**	50

Description	Color
Test disconnect terminal block	gray
With transparent shock-protection hood	gray
Cover, width 2.2 mm	gray

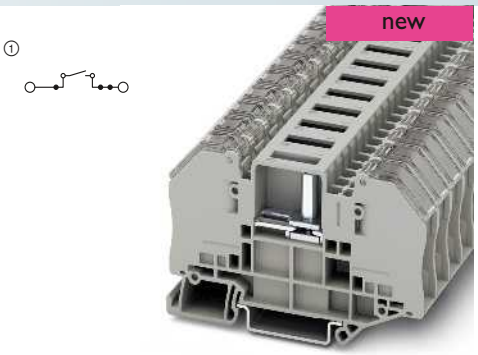
Test disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 330.



41 A, test disconnect terminal block



41 A, test disconnect terminal block, with transparent shock protection cover

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**12.3**	**82.4**	**51 (NS 35/7,5)**
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41	**500**	**0.1 - 6**	**-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data				
	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	41	30	-	-
General data				
Tightening torque	[Nm]	1.5 - 1.8		
Bolt thread		M4		

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**12.3**	**82.4**	**51 (NS 35/7,5)**
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41	**500**	**0.1 - 6**	**-**
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data				
	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	41	30	-	-
General data				
Tightening torque	[Nm]	1.5 - 1.8		
Bolt thread		M4		

Ordering data

Description	No. of positions	Color	Type	Order No.	Pcs. / Pkt.
Test disconnect terminal block, with test socket screws		gray	**RT 4-T-P/P** ①	**3000565**	50
		gray	**RTO 4-T-TC** ①	**3000558**	50

Ordering data

Description	No. of positions	Color	Type	Order No.	Pcs. / Pkt.
Test disconnect terminal block, with test socket screws		gray	**RT 4-T-P/P** ①	**3000565**	50
		gray	**RTO 4-T-TC** ①	**3000558**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-RT 4-T**	**3000606**	50
Jumper				
2	red	**FBS 2-6**	**3030336**	50
3	red	**FBS 3-6**	**3030242**	50
4	red	**FBS 4-6**	**3030255**	50
5	red	**FBS 5-6**	**3030349**	50
10	red	**FBS 10-6**	**3030271**	10
20	red	**FBS 20-6**	**3030365**	10
Modular test plug, for the individual assembly of test pin strips	red	**PS-6**	**3030996**	10
Spacer plate for test plug, for skipping individual terminal blocks during the assembly of individual test plugs, 6.2 mm wide, can be labeled with ZBF 6	red	**DP PS-6**	**3036738**	10
Screwdriver		**SF-SL 0,8X4,0-100**	**1212551**	10

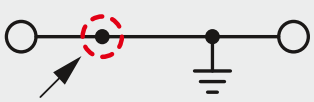
Accessories[1])

Cover, width 2.2 mm	gray	**D-RT 4-T**	**3000606**	50
Jumper				
2	red	**FBS 2-6**	**3030336**	50
3	red	**FBS 3-6**	**3030242**	50
4	red	**FBS 4-6**	**3030255**	50
5	red	**FBS 5-6**	**3030349**	50
10	red	**FBS 10-6**	**3030271**	10
20	red	**FBS 20-6**	**3030365**	10
Modular test plug, for the individual assembly of test pin strips	red	**PS-6**	**3030996**	10
Spacer plate for test plug, for skipping individual terminal blocks during the assembly of individual test plugs, 6.2 mm wide, can be labeled with ZBF 6	red	**DP PS-6**	**3036738**	10
Screwdriver		**SF-SL 0,8X4,0-100**	**1212551**	10

General technical data for 35 mm² RT... bolt connection terminal blocks

Rated data		IEC 60947-7-1
Rated cross section	[mm²]	35
Cross section range	AWG	14 - 2
Connection capacity, DIN 46234		
Cable lugs, DIN 46234	[mm²]	2.5 - 35
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 16
Connection capacity, DIN 46237		
Cable lugs DIN 46237	[mm²]	2.5 - 6
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14
Color code	blue	2.50 mm²
Color code	yellow	6.00 mm²
General data		
Tightening torque	[Nm]	4.5 - 5
Bolt thread		M8
Insulating material		PA
Inflammability class according to UL 94		V0
Note: additional or deviating data is documented for the product.		

Notes:

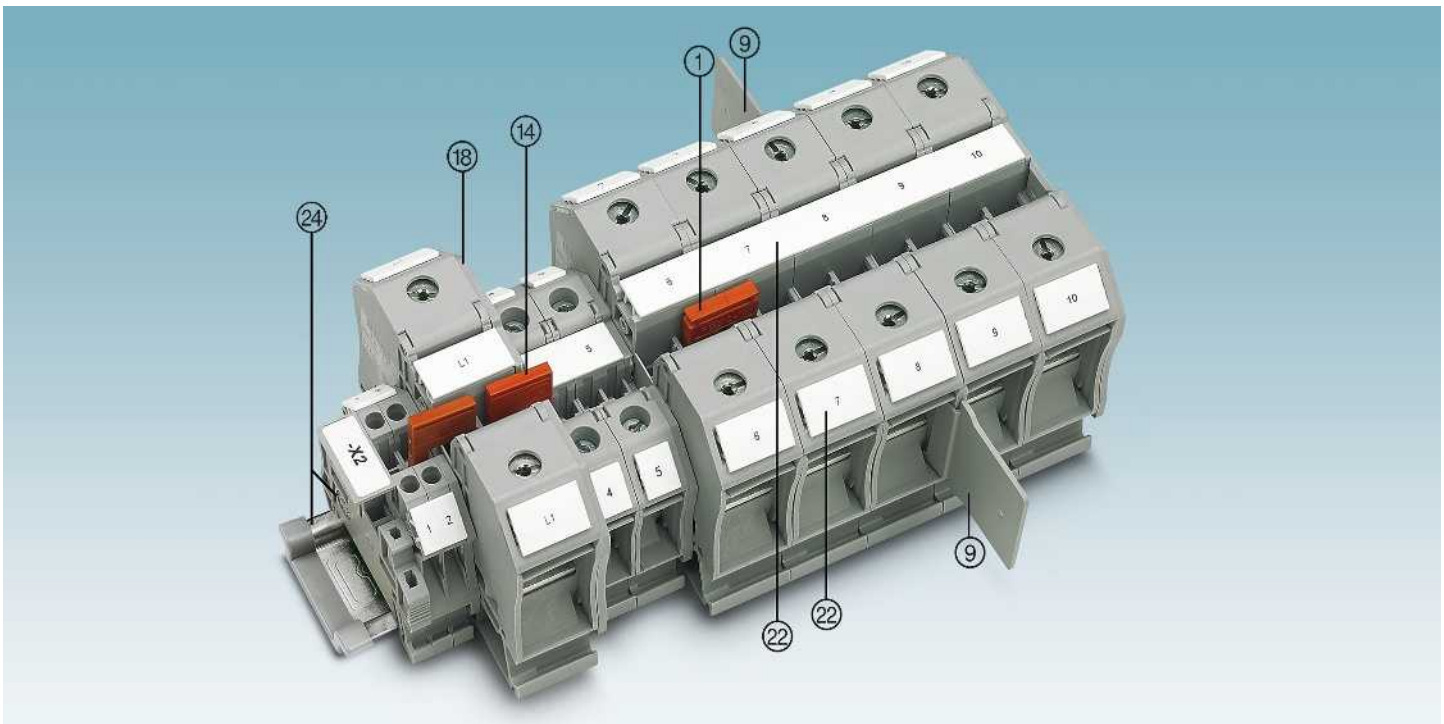


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

[1]) The bridge current is documented for the respective product. For additional colors, see page 340.

System accessories for 35 mm² RT... bolt connection terminal blocks

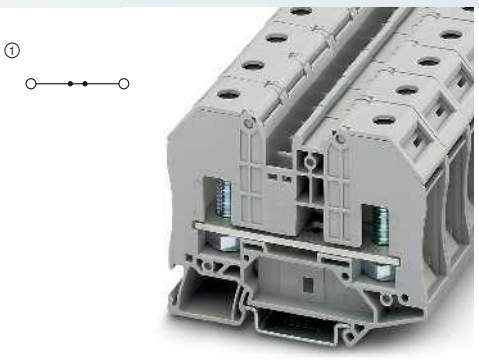


Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① **Jumper**[1])	2	red	**FBS 2-10**	**3005947**	10			
⑨ **Path extension**			**BE-RT 8**	**3049916**	50			
Socket wrench			**SHN 13**	**1209923**	1			

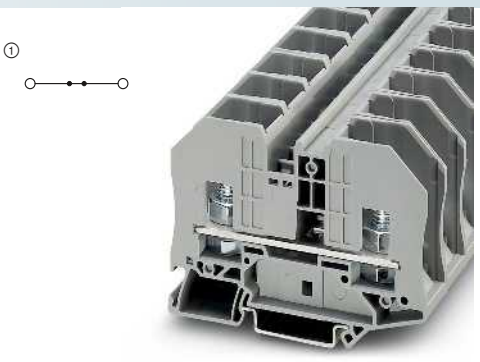
⑭ **Reducing bridge**	**For RB ..., see page 344.**
⑱ **Cover**	**Documented for the product.**
㉒ **Center and lateral groove marking**	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.**
㉔ **DIN rails and end brackets**	**See Catalog 5.**
For full accessories, visit phoenixcontact.net/products	**Note: additional or deviating accessories are documented for the product.**

Feed-through terminal blocks

Notes:
[1]) For additional accessories and technical data, see page 334.
For information on installation and using accessories for Ex applications, see page 602.



125 A, feed-through terminal block



125 A, feed-through terminal block, open

Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		20.3	**84**	**63.8 (NS 35/7,5)**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**1000**	**2.5 - 35**	**-**
Max. bridge current	[A]	57			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	-	690
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	-	125 / 35
General data					
Tightening torque	[Nm]	4.5 - 5			

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Terminal block	gray	**RT 8**	①	**3049042**	25
	blue	**RT 8 BU**	①	**3049148**	25
With transparent shock-protection hood	gray				
	blue				

Accessories[1])

Cover, width 2.2 mm	**D-RT 8**	**3049194**	50

Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

		Width	Length	Height	
		20.2	**84**	**62.2 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**1000**	**2.5 - 35**	**-**
		57			
		IEC	UL / CUL	CSA	Ex
		1000	600	-	690
		125 / 35	115 / -	-	125 / 35
		6 - 10			

Ordering data

Type		Order No.	Pcs. / Pkt.
RTO 8	①	**3049343**	25
RTO 8 BU	①	**3049864**	25
RTO 8-TC	①	**3050002**	25
RTO 8-TC BU	①	**3049929**	25

Accessories[1])

D-RT 8	**3049194**	50


QT
PT
ST
UT

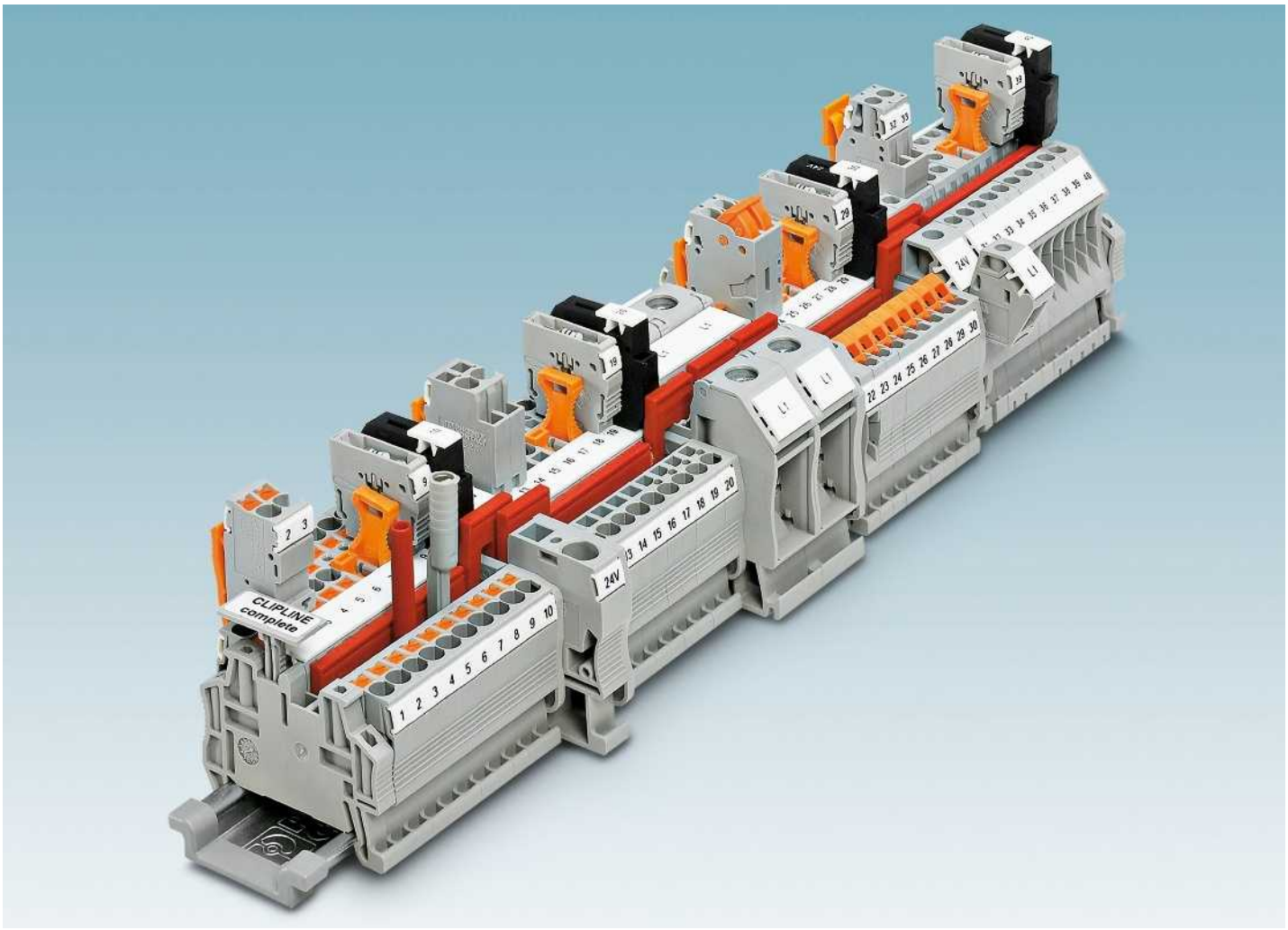
Accessories

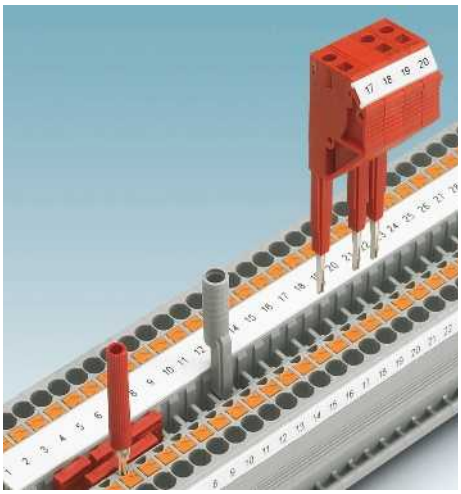
The CLIPLINE complete system offers you a uniform range of accessories for all connection technologies.

Marking and test accessories are standardized and reduce logistics costs. In addition, all terminal blocks of the CLIPLINE complete system can be freely combined with each other using the double function shaft. All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various function plugs are available for use in the disconnect terminal blocks. Isolating plugs are used for simple disconnection. The fuse plugs are designed for the use of cartridge fuse inserts. The patented component connector allows you to mount components quickly, without the risk of polarity reversal, and without the need for soldering.

Product range overview

Accessories	**338**
Jumpers	**340**
Reducing bridges table	**344**
Test plugs and test adapters	**346**
Fuse plugs, isolating plugs, and component connectors	**349**
Marker carriers	**352**
Terminal block group marking	**353**
Warning labels	**353**





Function shaft

All the terminal blocks in the CLIPLINE complete system have function shafts to allow fast and individual potential distribution through jumpers and simple testing.



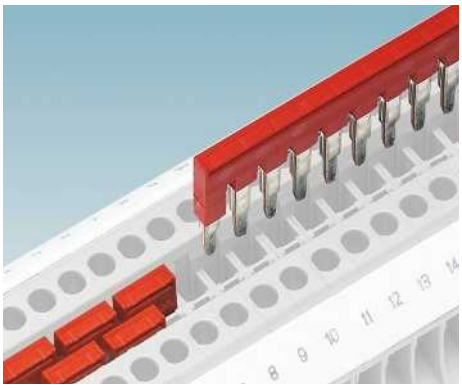
Multifunctional disconnect zone

All the disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various functional inserts are available for use in the disconnect terminal blocks.

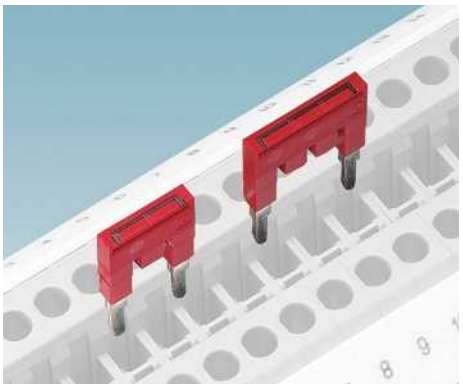


Marking

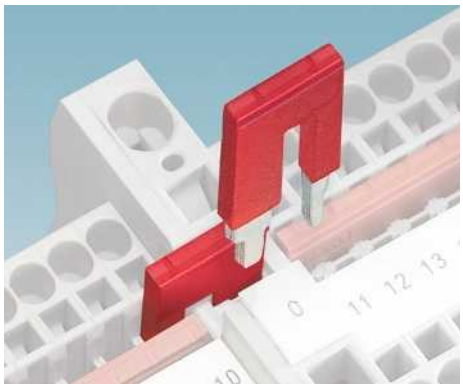
All terminal points in the terminal blocks of the CLIPLINE complete system can have large labels. Optional snap-on large marker carriers are available for group and terminal strip marking.



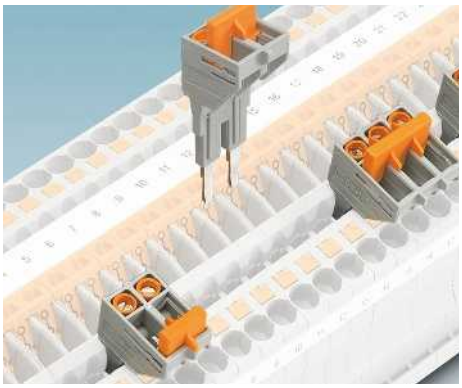
The bridge shafts are arranged in a line across all terminal blocks allowing for a combination of connection technologies. The 2- to 50-pos. jumpers allow all potential bridging tasks to be undertaken at speed.



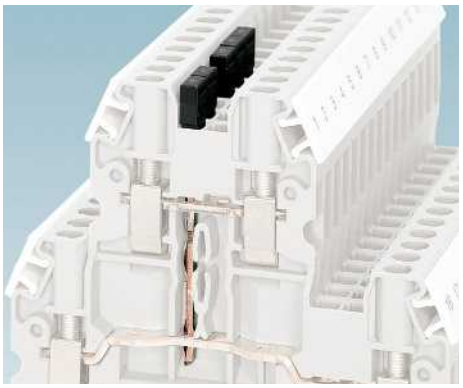
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



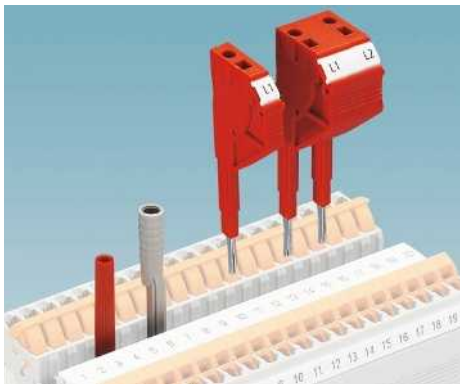
The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease, e.g. a UT 10 terminal block with a UT 2.5. Infeed blocks can be created at speed with the reducing bridge.



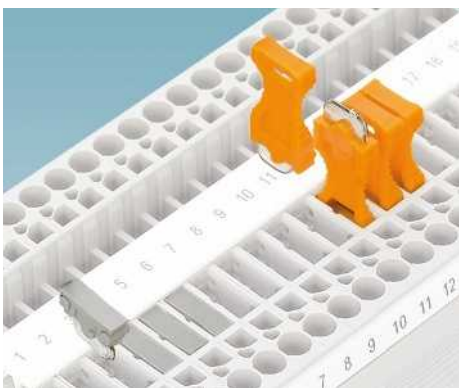
The plug-in SB-ME switching jumpers make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.



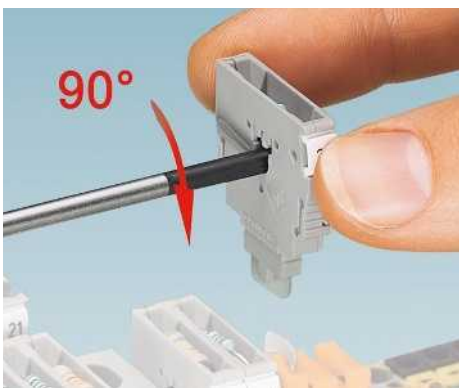
Vertical bridge to connect the upper and the lower levels of a double-level terminal block. The vertical bridge can be easily connected later through the function shaft of the upper level to the lower level.



A test plug with a diameter of 2.3 mm is available for measuring lines and a test adapter with a diameter of 4 mm is available for safety test plugs. Test adapters can be implemented quickly with the alignable test plug.



The P-DI isolating plug can be removed to release the connection easily, and then "parked" back to front in the disconnect zone. The P-FIX contact metal seals the disconnect point with the same shape and cannot be removed again once fitted.

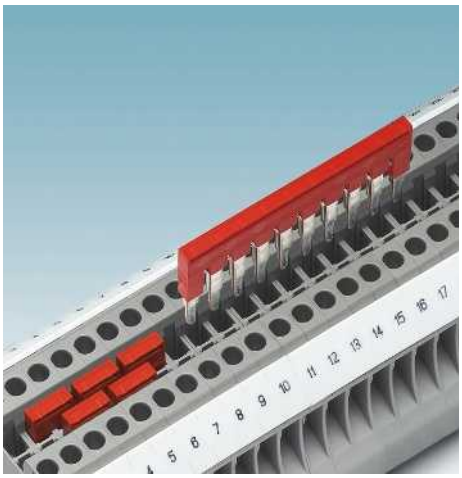


The patented component connector P–CO allows components to be quickly and reliably accommodated using spring-loaded contacts and to be connected without the risk of reverse polarity.



The fuse plugs P-FU are intended to accommodate cartridge fuse inserts. The fuse used can be checked visually via the LED.

FBS... jumpers



– To allow individual potential distribution, the terminal blocks of the CLIPLINE complete system have two bridge shafts
– The 2- to 50-pos. bridges can bridge up to 50 terminal blocks in one step in these bridge shafts

Designation of bridges

– The last digit in the bridge designation indicates the dimension of the terminal block width; an FBS ...-4 bridge can be used with CLIPLINE complete terminal blocks with a width of 4.2 mm, and an FBS ...-6 bridge can be used with terminal blocks with a width of 6.2 mm.

Vertical potential bridge

– Potential bridge to connect the upper and the lower levels of a double-level terminal block
– The bridge can be connected later through the bridge shaft of the upper level to the lower level
– The FBS–PV UT vertical bridge can be used with the UTTB 2,5, UTTB 4, PT 2,5-PE/3L, and PT 4-PE/3L
– The vertical bridge FBS-PV can be used with the STTBS 2,5, STTBS 4, PTTB 2,5, PTTB 4, PTTBS 2,5, QTTCB 1,5 and STTB 2,5/4P
– The vertical bridge FBS 1,5/S-PV can be used with the PTTB 1,5/S, PT 1,5/S-3L and PT 1,5/S-PE/L/L
– The FBS–PV PT 2,5–4L vertical bridge can be used with the PT 2,5–4L... terminal blocks

Notes:

The current values for the FBS ... bridges can deviate when used in different terminal blocks. The precise values can be found in the accessories data for the respective terminal blocks.



Jumper, red

Ordering data

Description	No. of pos..	Type	I_{max}	Order No.	Pcs. / Pkt.
Jumper					
	2	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	**FBS 3-3,5**		**3213027**	50
	4	**FBS 4-3,5**		**3213030**	50
	5	**FBS 5-3,5**		**3213043**	50
	10	**FBS 10-3,5**		**3213056**	50
	20	**FBS 20-3,5**		**3213069**	50
	50	**FBS 50-3,5**		**3000706**	10
Jumper					
	2	**FBS 2-4**	17.5 A	**3030116**	50
	3	**FBS 3-4**		**3030129**	50
	4	**FBS 4-4**		**3030132**	50
	5	**FBS 5-4**		**3030145**	50
	10	**FBS 10-4**		**3030158**	10
	20	**FBS 20-4**		**3030352**	10
Jumper					
	2	**FBS 2-5**	24 A	**3030161**	50
	3	**FBS 3-5**		**3030174**	50
	4	**FBS 4-5**		**3030187**	50
	5	**FBS 5-5**		**3030190**	50
	10	**FBS 10-5**		**3030213**	10
	20	**FBS 20-5**		**3030226**	10
	50	**FBS 50-5**		**3038930**	10
Jumper					
	2	**FBS 2-6**	32 A	**3030336**	50
	3	**FBS 3-6**		**3030242**	50
	4	**FBS 4-6**		**3030255**	50
	5	**FBS 5-6**		**3030349**	50
	10	**FBS 10-6**		**3030271**	10
	20	**FBS 20-6**		**3030365**	10
	50	**FBS 50-6**		**3032224**	10
Jumper					
	2	**FBS 2-8**	41 A	**3030284**	10
	3	**FBS 3-8**		**3030297**	10
	4	**FBS 4-8**		**3030307**	10
	5	**FBS 5-8**		**3030310**	10
	6	**FBS 6-8**		**3032470**	10
	10	**FBS 10-8**		**3030323**	10
Jumper					
	2	**FBS 2-10**	57 A	**3005947**	10
	5	**FBS 5-10**		**3005948**	10
Jumper					
	2	**FBS 2-12**	76 A	**3005950**	10
Jumper					
	2	**FBS 2-16**	101 A	**3005963**	10
Pre-assembled bridge, labeled					
3-pos., positions 1, 3	3	**FBS 1/3-8**	41 A	**3032363**	10
4-pos., positions 1, 4	4	**FBS 1/4-8**		**3032376**	10
5-pos., positions 1, 3, 5	5	**FBS 1/3/5-8**		**3032389**	10
10-pos., positions 1, 4, 7, 10	10	**FBS 1/4/7/10-8**		**3032402**	10
Vertical potential bridge, to connect the upper and lower level					
	1				
	1				
	1				
	1				

Accessories

Covering hood, provides reliable shock protection when using cut-to-length FBS ...-5 and FBS ...-6 bridges	red	**FBSC**		**3012325**	50



Jumper, blue



Jumper, gray



Vertical potential bridge to connect two levels of multi-level terminal blocks

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FBS 2-3,5 BU	17.5 A	3213086	50
FBS 3-3,5 BU		3213099	50
FBS 4-3,5 BU		3213109	50
FBS 5-3,5 BU		3213112	50
FBS 10-3,5 BU		3213125	50
FBS 20-3,5 BU		3213138	50
FBS 50-3,5 BU		3000708	10
FBS 2-4 BU	17.5 A	3030117	50
FBS 3-4 BU		3030130	50
FBS 4-4 BU		3030133	50
FBS 5-4 BU		3030146	50
FBS 10-4 BU		3036851	10
FBS 20-4 BU		3030353	10
FBS 2-5 BU	24 A	3036877	50
FBS 3-5 BU		3036880	50
FBS 4-5 BU		3036893	50
FBS 5-5 BU		3036903	50
FBS 10-5 BU		3036916	10
FBS 20-5 BU		3036929	10
FBS 50-5 BU		3032114	10
FBS 2-6 BU	32 A	3036932	50
FBS 3-6 BU		3036945	50
FBS 4-6 BU		3036958	50
FBS 5-6 BU		3036961	50
FBS 10-6 BU		3032198	10
FBS 20-6 BU		3032208	10
FBS 50-6 BU		3032211	10
FBS 2-8 BU	41 A	3032567	10
FBS 3-8 BU		3032570	10
FBS 4-8 BU		3032583	10
FBS 5-8 BU		3032596	10
FBS 6-8 BU		3032677	10
FBS 10-8 BU		3032606	10

Accessories

FBSC		3012325	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FBS 2-3,5 GY	17.5 A	3213153	50
FBS 3-3,5 GY		3213167	50
FBS 4-3,5 GY		3213180	50
FBS 5-3,5 GY		3213183	50
FBS 10-3,5 GY		3213196	50
FBS 20-3,5 GY		3213206	50
FBS 50-3,5 GY		3000707	10
FBS 2-4 GY	17.5 A	3030118	50
FBS 3-4 GY		3030131	50
FBS 4-4 GY		3030134	50
FBS 5-4 GY		3030147	50
FBS 10-4 GY		3030160	10
FBS 20-4 GY		3030354	10
FBS 2-5 GY	24 A	3038969	50
FBS 3-5 GY		3038972	50
FBS 4-5 GY		3038985	50
FBS 5-5 GY		3038998	50
FBS 10-5 GY		3039007	10
FBS 20-5 GY		3038671	10
FBS 50-5 GY		3032127	10
FBS 2-6 GY	32 A	3032237	50
FBS 3-6 GY		3032240	50
FBS 4-6 GY		3032279	50
FBS 5-6 GY		3032266	50
FBS 10-6 GY		3032253	10
FBS 2-8 GY	41 A	3032621	10
FBS 3-8 GY		3032622	10
FBS 4-8 GY		3032635	10
FBS 5-8 GY		3032648	10
FBS 6-8 GY		3032664	10
FBS 10-8 GY		3032651	10

Accessories

FBSC		3012325	50

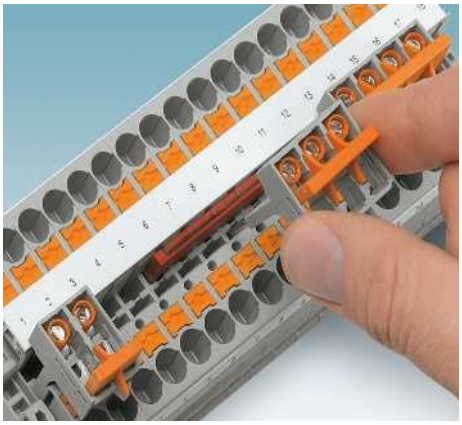
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FBS-PV PT 2,5-4L	10 A	3012318	50
FBS-PV UT	22 A	3047358	50
FBS-PV	32 A	3032185	50
FBS 1,5/S-PV	16 A	3216263	10

Accessories

FBSR(H) ... jumpers and SB–ME... switching jumpers

Notes:
The switching jumpers also snap into the function shaft and occupy both bridge shafts.
The FBSR ... bridges have a reduced current carrying capacity in comparison with the standard FBS ... bridges.





Jumper

FBSRH

– The FBSRH ...-8 bridges have a molded extraction tool which means that they can be used conveniently and without tools for individual bridging tasks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.

SB-ME

– The plug-in SB-ME switching jumpers make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.

Designation of bridges

– The last digit in the bridge designation indicates the dimension of the terminal block width; an FBSR ...-5 bridge can be used with CLIPLINE complete terminal blocks with a width of 5.2 mm, and an FBSR ...-6 bridge can be used with terminal blocks with a width of 6.2 mm.

Ordering data

Description	No. of pos..	Type	I_{max}	Order No.	Pcs. / Pkt.
Jumper					
	2	**FBSR 2-5**	17.5 A	**3033702**	50
	3	**FBSR 3-5**		**3001591**	50
	4	**FBSR 4-5**		**3001592**	50
	5	**FBSR 5-5**		**3001593**	50
	10	**FBSR 10-5**		**3033710**	10
Jumper					
	2	**FBSR 2-6**	24 A	**3033715**	50
	3	**FBSR 3-6**		**3001594**	50
	4	**FBSR 4-6**		**3001595**	50
	5	**FBSR 5-6**		**3001596**	50
	10	**FBSR 10-6**		**3033716**	10
Jumper					
	2	**FBSR 2-8**	32 A	**3033808**	10
	3	**FBSR 3-8**		**3001597**	10
	4	**FBSR 4-8**		**3000585**	10
	5	**FBSR 5-8**		**3033809**	10
	10	**FBSR 10-8**		**3001599**	10
	16	**FBSR 16-8**		**3033816**	10
Jumper, with extraction tool					
	2				
	3				
	4				
Switching jumper, plug-in					
	2				
	3				
	4				
Switching jumper, plug-in					
	2				
	3				
	4				
Switching jumper, plug-in					
	2				
	3				
	4				

Accessories

Covering hood, provides reliable shock protection when using cut-to-length FBS ...-5 and FBS ...-6 bridges	red	**FBSC**		**3012325**	50
Partition plate, with storage option for switching jumpers	gray				



Jumper, with extraction tool



30 A, switching jumper, plug-in with additional latching



25 A switching jumper, plug-in

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FBSRH 2-8	32 A	**3033802**	10
FBSRH 3-8		**3033803**	10
FBSRH 4-8		**3033804**	10

Accessories

CARRIER 35-8	**3034387**	10

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8		**3032800**	10
SB-ME 4-8		**3034484**	10

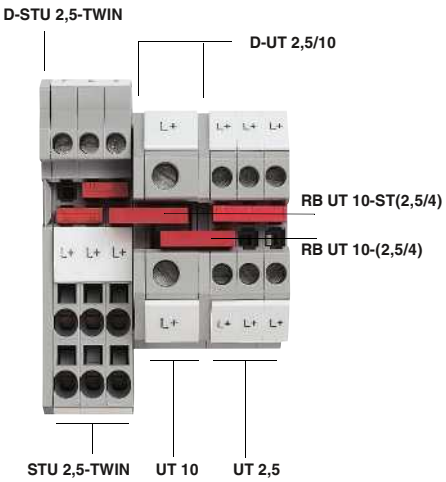
Accessories

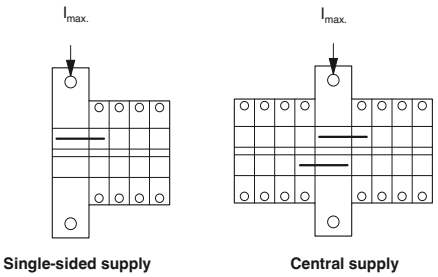
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
SB-ME 2-6	25 A	**3035755**	10
SB-ME 3-6		**3035756**	10
SB-ME 4-6		**3035757**	10
SB-MER 2-8	25 A	**3000587**	10
SB-MER 3-8		**3000588**	10
SB-MER 4-8		**3000589**	10

Accessories

Example of a 10 mm² central supply with reducing bridges RB UT 10-(2,5/4) to 2.5 mm²





Reducing bridges enable the simple connection of standard terminal blocks with different nominal cross sections and connection technologies from the CLIPLINE complete system. Supplies with larger cross sections can be easily distributed among several smaller output terminal blocks. The connection technologies and the connected cross sections must be taken into consideration in order to select suitable reducing bridges. The appropriate reducing bridge and the maximum permissible bridge current for single-sided supply and central supply can be determined using the adjacent table.

Note

When using reducing bridges, covers should be used which correspond with the supply direction. The auto correction function in CLIP PROJECT provides optimum support during this process.

Reducing bridges with UT... standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Jumper
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	$I_{max.}$ [A]	$I_{max.}$ [A]	
UT 4	4	UT 2,5	2.5	24	24	FBS 2-5 3030161
UT 6	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	45	56	
		PT 2,5	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		PT 4	4	45	56	
		ST 2,5	2.5	40	56	
		ST 4	4	45	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
UT 10	10	UT 2,5	2.5	40	65	RB UT 10-(2,5/4) 3047060
		UT 4	4	45	65	
		PT 2,5	2.5	40	65	RB UT 10-ST(2,5/4) 3047086
		PT 4	4	45	65	
		ST 2,5	2.5	40	65	
		ST 4	4	45	65	
		QTC 1,5	1.5	35	65	
		QTC 2,5	2.5	40	65	
UT 16	16	UT 2,5	2.5	40	80	RB UT 16-(2,5/4) 3047073
		UT 4	4	45	90	
		PT 2,5	2.5	40	80	RB UT 16-ST(2,5/4) 3047099
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 2,5	2.5	40	80	RB UT 35-(2,5/4) 3047277
		UT 4	4	45	90	
		PT 2,5	2.5	40	80	RB UT 35-ST(2,5/4) 3047280
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 16	16	90	90	RB 35-16 3032169

Reducing bridges with RT standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Jumper
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	$I_{max.}$ [A]	$I_{max.}$ [A]	
RT 5	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	40	56	
		RT 3	2.5	40	56	
		PT 2,5	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		PT 4	4	40	56	
		ST 2,5	2.5	40	56	
		ST 4	4	40	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
RT 8	35	RT 3	2.5	40	56	RB ST 10-(2,5/4) 3030873
		UT 2,5	2.5	40	65	
		UT 4	4	45	65	

Reducing bridges with PT... and ST... standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	$I_{max.}$ [A]	$I_{max.}$ [A]	
ST 2,5 PT 2,5	2.5	PT 1,5/S	1.5	24	30	RB ST (2,5/4)-1,5/S 3214356
		ST 1,5	1.5	31	31	RB ST (2,5/4)-1,5 3038943
		QTC 1,5	1.5	31	31	FBS 2-5 3030161
ST 4 PT 4	4	PT 1,5/S	1.5	24	40	RB ST (2,5/4)-1,5/S 3214356
		ST 1,5	1.5	35	40	RB ST (2,5/4)-1,5 3038943
		PT 2,5	2.5	40	40	FBS 2-5 3030161
		ST 2,5	2.5	40	40	
		QTC 1,5	1.5	35	40	
		QTC 2,5	2.5	40	40	FBS 2-6 3030336
ST 6 PT 6	6	PT 1,5/S	1.5	24	48	RB ST 6-1,5/S 3213250
		PT 2,5	2.5	40	56	RB ST 6-(2,5/4) 3030860
		PT 4	4	45	56	
		ST 2,5	2.5	40	56	
		ST 4	4	45	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
ST 10 PT 10	10	PT 1,5/S	1.5	24	48	RB ST 10-1,5/S 3213252
		PT 2,5	2.5	40	65	RB ST 10-(2,5/4) 3030873
		PT 4	4	45	65	
		ST 2,5	2.5	40	65	
		ST 4	4	45	65	
		QTC 1,5	1.5	35	65	
		QTC 2,5	2.5	40	65	
ST 16 PT 16	16	PT 1,5/S	1.5	24	48	RB ST 16-1,5/S 3213254
		PT 2,5	2.5	40	80	RB ST 16-(2,5/4) 3030886
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
ST 35	35	PT 2,5	2.5	40	80	RB ST 35-(2,5/4) 3030899
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
ST 35	35	ST 16	16	90	90	RB 35-16 3032169
STS 4	4	STS 2,5	2.5	40	40	FBS 2-5 3030161
STS 6	6	STS 2,5 STS 4	2.5 4	40 45	56 56	RB ST 6-(2,5/4) 3030860

Reducing bridges with QT... standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	$I_{max.}$ [A]	$I_{max.}$ [A]	
QTC 2,5	2.5	QTC 1,5	1.5	31	31	FBS 2-5 3030161

PS... test plug

- Two-part test plug for individual connector color combination
- The test plugs are plugged in the function shaft of the terminal blocks from the CLIPLINE complete system or in the test connections provided for them.
- The modular test plug housings PS-...2,3MM can be used to put together individual test adapters





Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Modular test plug housing, for MPS metal part, can be marked with ZB 5							
5.2 mm width	red	**PS-5/2,3MM RD**	**3038723**	10			
Width 6.2 mm	red	**PS-6/2,3MM RD**	**3038736**	10			
Width 8.2 mm	red	**PS-8/2,3MM RD**	**3048564**	10			
Insulating sleeve, for MPS metal part							
	white				**MPS-IH WH**	**0201663**	10
	red				**MPS-IH RD**	**0201676**	10
	blue				**MPS-IH BU**	**0201689**	10
	yellow				**MPS-IH YE**	**0201692**	10
	green				**MPS-IH GN**	**0201702**	10
	gray				**MPS-IH GY**	**0201728**	10
	black				**MPS-IH BK**	**0201731**	10
Test plug metal part, 2.3 mm Ø							
	silver	**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
4 mm Ø	silver	**MPS-MT/ 4MM**	**3048577**	10	**MPS-MT/ 4MM**	**3048577**	10

PS-... modular test plugs and DP PS-... spacer plates

- The test plugs make contact in the function shaft of terminal blocks from the CLIPLINE complete system
- Test adapters can be assembled individually with the PS-... modular test plugs and DP PS-... spacer plates



Modular test plug



Spacer plates

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Individual test plug, 4.2 mm wide, can be labeled with ZBF 4, UC-TMF 4 und UCT-TMF 4							
	red	**PS-4/E**	**3036709**	10			
Modular test plug, for the individual assembly of test pin strips							
4.2 mm, can be labeled with ZBF 4, UC-TMF 4, and UCT-TMF 4	red	**PS-4**	**3030970**	10	**DP PS-4**	**3036712**	10
5.2 mm, can be labeled with ZBF 5, UC-TMF 5, and UCT-TMF 5	red	**PS-5**	**3030983**	10	**DP PS-5**	**3036725**	10
6.2 mm, can be labeled with ZBF 6, UC-TMF 6, and UCT-TMF 6	red	**PS-6**	**3030996**	10	**DP PS-6**	**3036738**	10
8.2 mm, can be labeled with ZBF 8, UC-TMF 8, and UCT-TMF 8	red	**PS-8**	**3031005**	10	**DP PS-8**	**3036741**	10

PAI... test adapter

- Secure contact for test plugs with a 4 mm diameter in the function shaft
- The small external diameter of the test socket means that touch-proof safety plugs can also be used

Notes:

[1]) Touch-proof against unintentional direct contact according to DIN EN 50274 when plugged in.



4 mm test adapter, for terminal blocks with 4.2 mm pitch



4 mm test adapter, for terminal blocks with 5.2, 6.2, and 8.2 mm pitch

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Test adapter, 4 mm test socket hole[1])	gray	**PAI-4**	**3030925**	10	**PAI-4-N GY**	**3032871**	10

PAI–4–FIX... snap-on test adapter

- Test adapter for accommodating safety test plugs with a 4 mm diameter
- Makes contact and latches securely at any point in the function shaft

Notes:

Touch-proof against unintentional direct contact according to DIN EN 50274 when plugged in.



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft							
	orange	**PAI-4-FIX-5/6 OG**	**3035974**	10	**PAI-4-FIX OG**	**3034455**	10
	yellow	**PAI-4-FIX-5/6 YE**	**3035977**	10	**PAI-4-FIX YE**	**3032745**	10
	green	**PAI-4-FIX-5/6 GN**	**3035978**	10	**PAI-4-FIX GN**	**3032758**	10
	violet	**PAI-4-FIX-5/6 VT**	**3035979**	10	**PAI-4-FIX VT**	**3032761**	10
	black	**PAI-4-FIX-5/6 BK**	**3035980**	10	**PAI-4-FIX BK**	**3032774**	10
	blue	**PAI-4-FIX-5/6 BU**	**3035975**	10	**PAI-4-FIX BU**	**3032729**	10
	red	**PAI-4-FIX-5/6 RD**	**3035976**	10	**PAI-4-FIX RD**	**3032732**	10
	gray	**PAI-4-FIX-5/6 GY**	**3035982**	10	**PAI-4-FIX GY**	**3032790**	10
	brown	**PAI-4-FIX-5/6 BN**	**3035981**	10	**PAI-4-FIX BN**	**3032787**	10

PAIS ... test plug

- Angled test plug for accommodating safety test plugs with a 4 mm diameter
- Makes contact and latches securely at any point in the function shaft

Notes:

[1]) Touch-proof against unintentional direct contact according to DIN EN 50274 when plugged in.

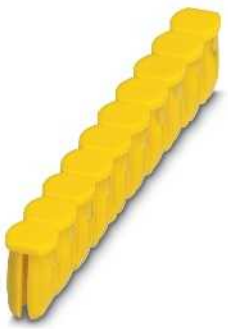


Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test plug[1])				
	gray	**PAIS-4-FIX GY**	**3032791**	10
	black	**PAIS-4-FIX BK**	**3032792**	10
	red	**PAIS-4-FIX RD**	**3032793**	10

CEC ... cover for conductor shaft

- Filler plug for the cover for the conductor shaft
- Can be used with PT 2,5 push-in connection terminal blocks and ST 2,5 spring-cage connection terminal blocks



Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cover, for conductor shaft, 10-pos.	yellow	**CEC 2,5**	**3062757**	50

P-FU ... fuse plugs

– Large-scale marking option
– Versions with bipolar defect indicator
– Test contacts on both sides of the fuse

Notes:

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) For max. power dissipation, see page 616.



5.2 mm fuse plug, for 5 x 20 mm cartridge fuses



8.2 mm fuse plug, for 6.3 x 32 mm cartridge fuses

Technical data

		Width	Length	Height
Dimensions				
	[mm]	**5.2**	**23.5**	**45.5**
Rated data				
Maximum load current	[A]	6.3[2])		
General data				
Insulating material		PA		
Inflammability class according to UL 94		V0		

Technical data

		Width	Length	Height
Dimensions				
	[mm]	**8.2**	**40**	**27**
Rated data				
Maximum load current	[A]	10[2])		
General data				
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Fuse plug, width 5.2 mm[1])	black	**P-FU 5X20-5**	**3209235**	10
With LED for 12-30 V DC, 0.35-0.95 mA	black	**P-FU 5X20 LED 24-5**	**3209248**	10
for 30–60 V AC/DC, 0.36–0.95 mA	black	**P-FU 5X20 LED 60-5**	**3209251**	10
for 110–250 V AC/DC, 0.4–0.95 mA	black	**P-FU 5X20 LED 250-5**	**3209264**	10
Fuse plug, width 6.2 mm[2])	black	**P-FU 5X20**	**3036806**	10
With LED for 12-30 V DC, 0.31-0.95 mA	black	**P-FU 5X20 LED 24**	**3036819**	10
for 30–60 V AC/DC, 0.40–0.86 mA	black	**P-FU 5X20 LED 60**	**3036822**	10
for 110–250 V AC/DC, 0.41–0.96 mA	black	**P-FU 5X20 LA 250**	**3036835**	10
Fuse plug, width 8.2 mm	black			
With LED for 12-30 V DC, 0.31-0.95 mA	black			
for 30–60 V AC/DC, 0.40–0.86 mA	black			
for 110–250 V AC/DC, 0.41–0.96 mA	black			

Ordering data

Type	Order No.	Pcs. / Pkt.
P-FU 6,3X32	**3046498**	10
P-FU 6,3X32 LED 24	**3046508**	10
P-FU 6,3X32 LED 60	**3046511**	10
P-FU 6,3X32 LA 250	**3046524**	10

Accessories

Center groove marking

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Accessories

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

S-MT switching lock



- The optional switching lock snaps in and effectively prevents accidental switching
- Can be used in all ...-MT knife disconnect terminal blocks from the CLIPLINE complete system



Switching lock

Technical data

Dimensions		Width	Length	Height
	[mm]	**3.5**	**10.5**	**23.1**
General data				
Insulating material		PA		
Inflammability class according to UL 94		V2		

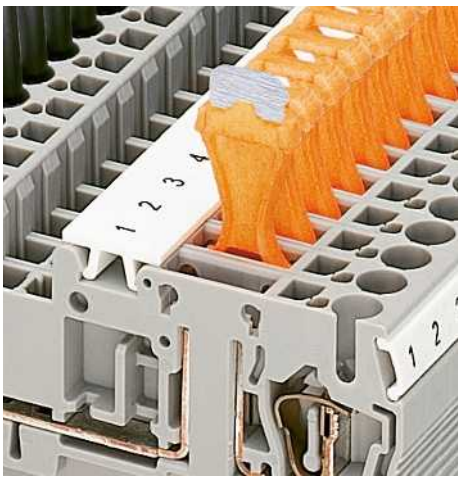
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Switching lock, plug-in[1])	white	**S-MT**	**3247954**	50

Notes:

[1]) Observe max. load current.

P-DI isolating plug



- The P-DI isolating plug can be removed to release the connection easily and then "parked" back to front in the disconnect zone
- Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system



Function plug for universal disconnect zone

Technical data

Dimensions		Width	Length	Height
	[mm]	**3.5**	**10.8**	**23.1**
Rated data				
Maximum load current	[A]	20		
General data				
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Isolating plug[1])	orange	**P-DI**	**3036783**	50

Through connector P–FIX

Notes:
1) Observe max. load current.



- The P-FIX contact metal seals the disconnect point with the same shape and cannot be removed again once fitted
- Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system



Feed-through connector

Technical data

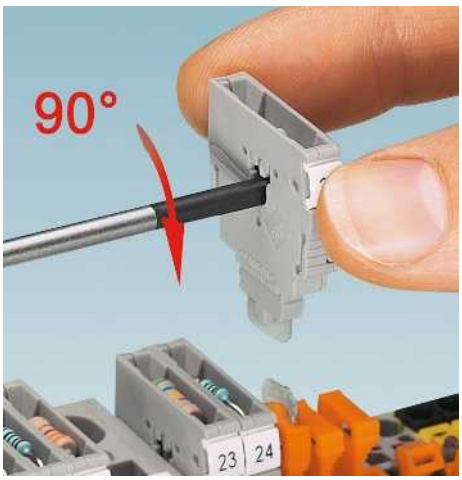
Dimensions		Width	Length	Height
	[mm]	**4**	**10.5**	**-**
Rated data				
Maximum load current	[A]	20		
General data				
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Feed-through connector1)	gray	**P-FIX**	**3038956**	50

Component connectors P–CO ...

Notes:
1) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
2) Dependent on the power dissipation of the components. Max. 1 W with single arrangement.
3) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A



- The patented component connector P–CO can quickly and reliably accommodate components using spring-loaded contacts
- A coder recess ensures protection against incorrect polarity
- For assembly, the spring connections are opened or closed inside the connector with just one turn of the standard screwdriver
- Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system



Component connector

Technical data

Dimensions		Width	Length	Height
	[mm]	**5.2**	**24.2**	**33.3**
Rated data				
Maximum load current	[A]	6[2])		
General data				
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Component connector, labeled with ZBF 5 or UC–TMF 5[1])	gray	**P-CO**	**3036796**	10
Component connector, with integrated 1N 4007 diode, conducting direction from right to left, direction viewed: Open terminal side[3])	gray	**P-CO 1N4007/R-L**	**3032457**	10
Conducting from left to right, direction viewed: Open terminal side	gray	**P-CO 1N4007/L-R**	**3032460**	10

Marker carrier for STP ... multi-level terminal blocks



STP ...

– The marking areas of wired multiple-level terminal blocks are increased in size using the marker carriers
– Depending on version, the marker carriers are placed in the receivers on the upper terminal block level

STP ...-ZB

– The marker carriers can for example snap into the center marking groove of ST spring-cage terminal blocks and double the marking area; see figure below

CARRIER-TM 300

– Can be snapped into all terminal blocks in the CLIPLINE complete system that have a lateral flat marker groove
– For accommodating ZB ..., UC-TM ... or UCT-TM ... terminal markers which increases the marking area

CARRIER-TMD 300

– Double-row snap-in marker adapter for accommodating two ZB ... or UC–TM ... and UCT-TM ... terminal markers which doubles the marking area





Marker carriers

Technical data

General data		
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 100
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Double marker carrier, can be snapped into push-in double-level terminal blocks PTTB 1,5/S, can be labeled with ZB 3,5 or ZBF 3,5	gray	**STP 3,5-2**	**0830131**	100
Triple marker carrier, can be snapped into the push-in three-level terminal block PT 1,5/S-3..., can be labeled with ZB 3,5 or ZBF 3,5	gray	**STP 3,5-3**	**0830132**	100
Double marker carrier, can be snapped into the double-level terminal blocks STTB 1,5, PTTB 1,5, can be labeled with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4	gray	**STP 4-2**	**0810575**	100
Double marker carrier, can be snapped into STTB 2.5, STTB 4, PTTB 2.5, PTTB 4 double-level terminal blocks, can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5	gray	**STP 5-2**	**0800967**	100
Three-compartment marker carrier, can be snapped into ST 2,5–3... and PT 2,5–3... three-level terminal blocks, can be labeled with UC–TMF 5 and ZBF 5 or ...TM 5 and ZB 5	gray	**STP 5-3**	**0810562**	100
Double marker carrier, snaps into double-level fast connection terminal blocks, QTTCB ... and QTTCBS, can be labeled with ZB 5 and ZBF 5	gray	**STP 5-2/S**	**0800970**	100
Double marker carrier, snaps into all terminal blocks with a width of 4.2 mm and a Zack marker strip center groove, can be labeled with ZB 4 or ZBF 4	gray	**STP 4-2-ZB**	**3038613**	100
Double marker carrier, can be snapped into all terminal blocks with a width of 5.2 mm or above and a zack marker strip center groove, can be marked with ZB 5 or ZBF 5	gray	**STP 5-2-ZB**	**3037643**	100
Marker adapter, 300 mm long, can be snapped into the lateral groove on terminal blocks, designed to accommodate ZB ... or UC–TM ...	gray	**CARRIER-TM 300**	**0828282**	25
Marker adapter, double row, 300 mm long, can be snapped into the center groove on terminal blocks, designed to accommodate two ZB ... or UC–TM ...	gray	**CARRIER-TMD 300**	**0828693**	25
Marker adapter, such as the CARRIER-TM 300; marking area at an angle to the top of the terminal block	gray	**CARRIER-TMH 300**	**0830670**	25

GBS ... terminal block group marking

– Space-saving group marking directly on the terminal block
– Fits all terminal blocks with tall center marker groove
– Large-surface marking with labels or manually using B–STIFT or X–PEN



3.5 mm and 5.2 mm pitch



29 mm pitch

	Technical data	Technical data
General data		
Material	PA	PA / PC
Inflammability class according to UL 94	V2	V2
Temperature range [°C]	-40 ... 120	-40 ... 100
Components	free from silicone and halogen	free from silicone and halogen

	Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Group marking label, can be snapped into terminal center, can be marked with an EML (24X4)R or EML (25,4X12,7)R label or manually with B–STIFT or X–PEN, in the foot part with ZB 5, UC–TM 5							
	gray	**GBS 5-25X5**	**0829126**	100			
	gray	**GBS 5-25X12**	**0810588**	100			
Group marking label, can be snapped into terminal center, can be labeled with ESL 26 x 6 or EMT (25 x 6) R insert strips, in foot part with Zack marker strip ZB, length: 29 mm							
	gray				**GBS-ZB/26X6**	**0809298**	50

Warning labels WS...



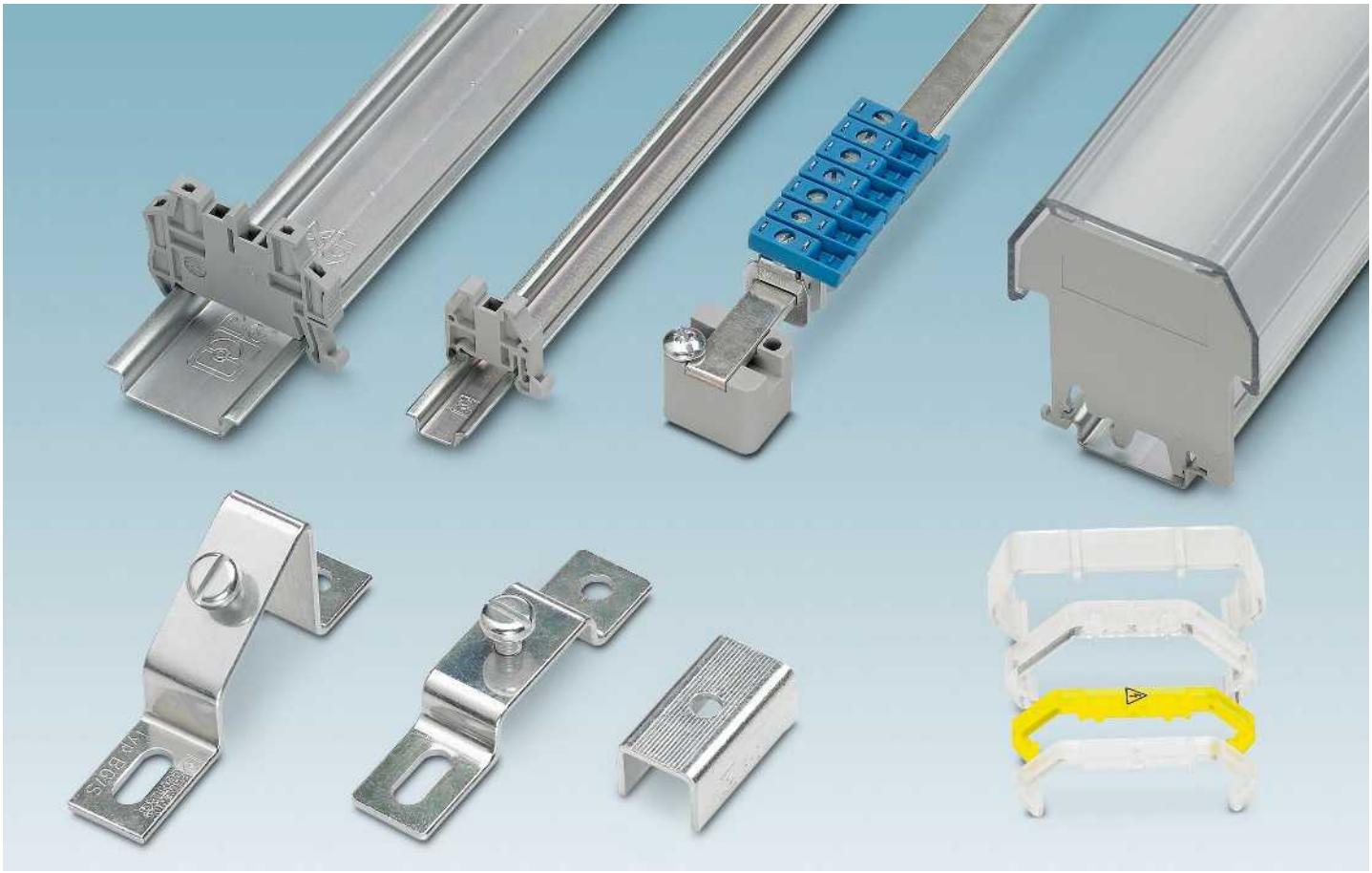
– Warning labels and warning covers serve to cover and identify mains terminal blocks
– This prevents accidental actuation of the terminal points
– The warning labels snap into the screw shafts of the relevant terminal
– Can be isolated lengthwise and crosswise



Warning labels for terminals from the UT ... and ST ... series

	Technical data
General data	
Material	PA
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

	Ordering data			
Description	Color	Type	Order No.	Pcs. / Pkt.
Warning label, for UT... series				
5.2 mm wide	yellow	**WS UT 2,5**	**3047923**	10
6.2 mm wide	yellow	**WS UT 4**	**3047332**	10
8.2 mm wide	yellow	**WS UT 6**	**3047345**	10
10.2 mm wide	yellow	**WS UT 10**	**3047361**	10
12 mm wide	yellow	**WS UT 16**	**3047374**	10
16 mm wide	yellow	**WS UT 35**	**3047387**	10
Warning cover, for ST... series				
4.2 mm wide	yellow	**WST 1,5**	**3030958**	50
5.2 mm wide	yellow	**WST 2,5**	**3030941**	50
6.2 mm wide	yellow	**WST 4**	**3030954**	50
8.2 mm wide	yellow	**WST 6**	**3030967**	10
10.2 mm wide	yellow	**WST 10/35**	**3030006**	25



You can save time when securing electrical connections and components in switchgear by using suitable mounting devices. Make the best use of space in the control cabinet by cleverly combining mounting accessories. The DIN rails form the basis of the control cabinet inner workings. They ensure that the DIN rail-mountable components are held securely. Phoenix Contact provides a wide range of standardized rails made of various materials. The rails can be ordered cut to length and with pre-drilled holes. Cable clamps and the corresponding DIN rails complete the range.

End brackets are used for a secure lateral hold on the components, especially in the event of jolts and vibrations in the systems. Depending on the application, they must be either fastened using screws or simply snapped onto the DIN rails as in the case of the CLIPFIX series. Marker carriers can be snapped onto the end brackets. This provides a good overview and creates a visual distinction between individual terminal strip blocks.

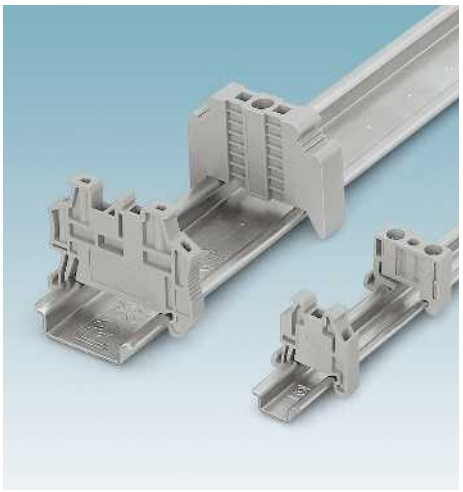
There is a wide range of cover profiles to ensure the necessary level of safety.
The wide choice of cable ducts provides users with flexible and straightforward cable installation solutions that simply involve breaking out the lateral segments without any need for tools.
The mounting material is rounded off by installation materials that include tap-off terminal blocks, Europe connectors, and junction box connectors.

Detailed information can be found in Catalog 5 or at phoenixcontact.net/products

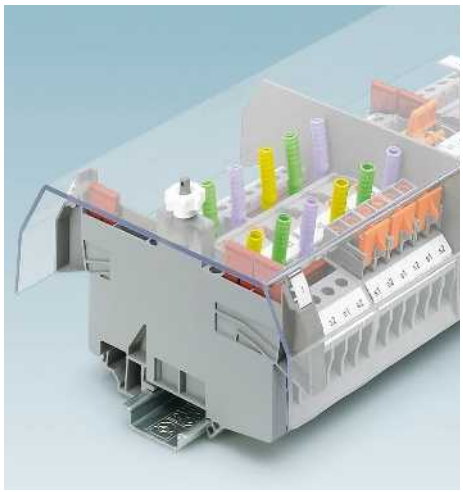
Your web code: #0094



For control cabinet engineering applications, the key features of the NS 15 and NS 35 DIN rails are their high degree of dimensional accuracy and double surface tempering. They are galvanized and feature thick layer passivation, which makes them RoHS compliant.



Used in conjunction with the NS 15 and NS 35 DIN rails, the end brackets ensure that the components remain securely attached to the rails. A comprehensive range of end brackets is available for specific applications.



Cover profiles are used to cover live parts and also provide protection against accidental actuation of terminal points or disconnect terminal blocks.



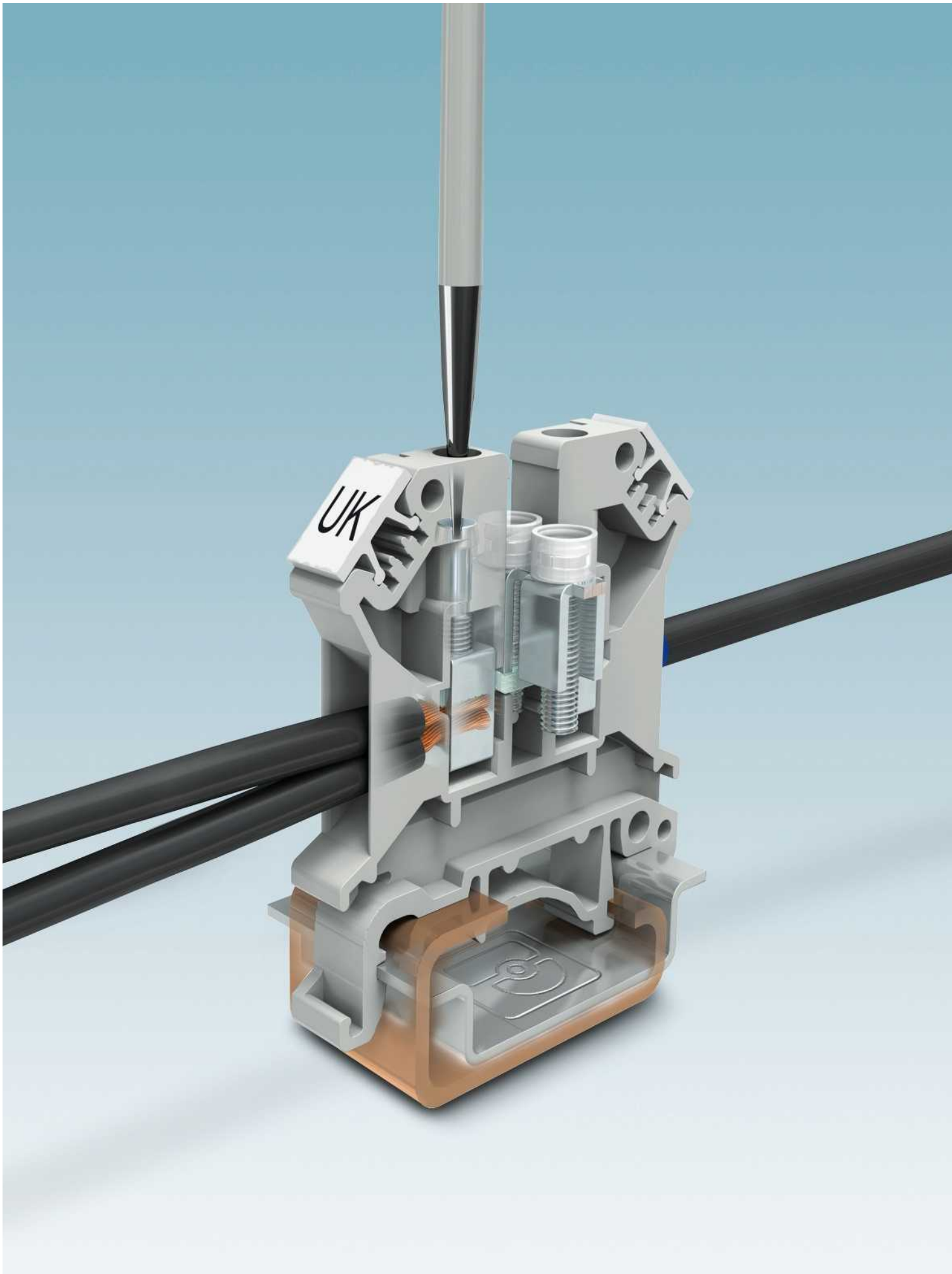
Phoenix Contact offers various connecting terminal blocks, branch terminal blocks and power terminal blocks for busbars in switchgear and control gear.



The wide range of Europe terminal blocks includes terminal blocks with and without wire protection. The individual positions can be separated easily by twisting without the need for tools. The push-in connection technology of the junction box connector series means that solid conductors or conductors with ferrules can be inserted into the terminal point with ease. Low insertion forces and high pull-out forces ensure a secure connection.



The rail-mountable socket in a standard format is as much a must in modern switchgear as in simple distributors. The socket is mounted in an exposed position to allow assembly tools, service devices, and other electrical equipment to be installed conveniently.


UK

UK universal terminal blocks, SK ... shield terminals

Universal terminal blocks

Screw connections continue to dominate industrial connection technology. No other connection technology can achieve such high contact forces in a confined space. Our UK universal terminal block series, which has been accepted throughout the world, is named after the universal snap-on foot for DIN and G-profile rails, as well as the multi-conductor connection. Another feature of this terminal block series is the flexible screw-type bridge system with a high current carrying capacity.

In addition to standard terminal blocks, the comprehensive terminal block range in this series also includes a wide range of special terminal blocks. These include, for example, terminal blocks with slip-on connections, terminal blocks for use in high temperatures, and terminal block series for energy supply and building installation.

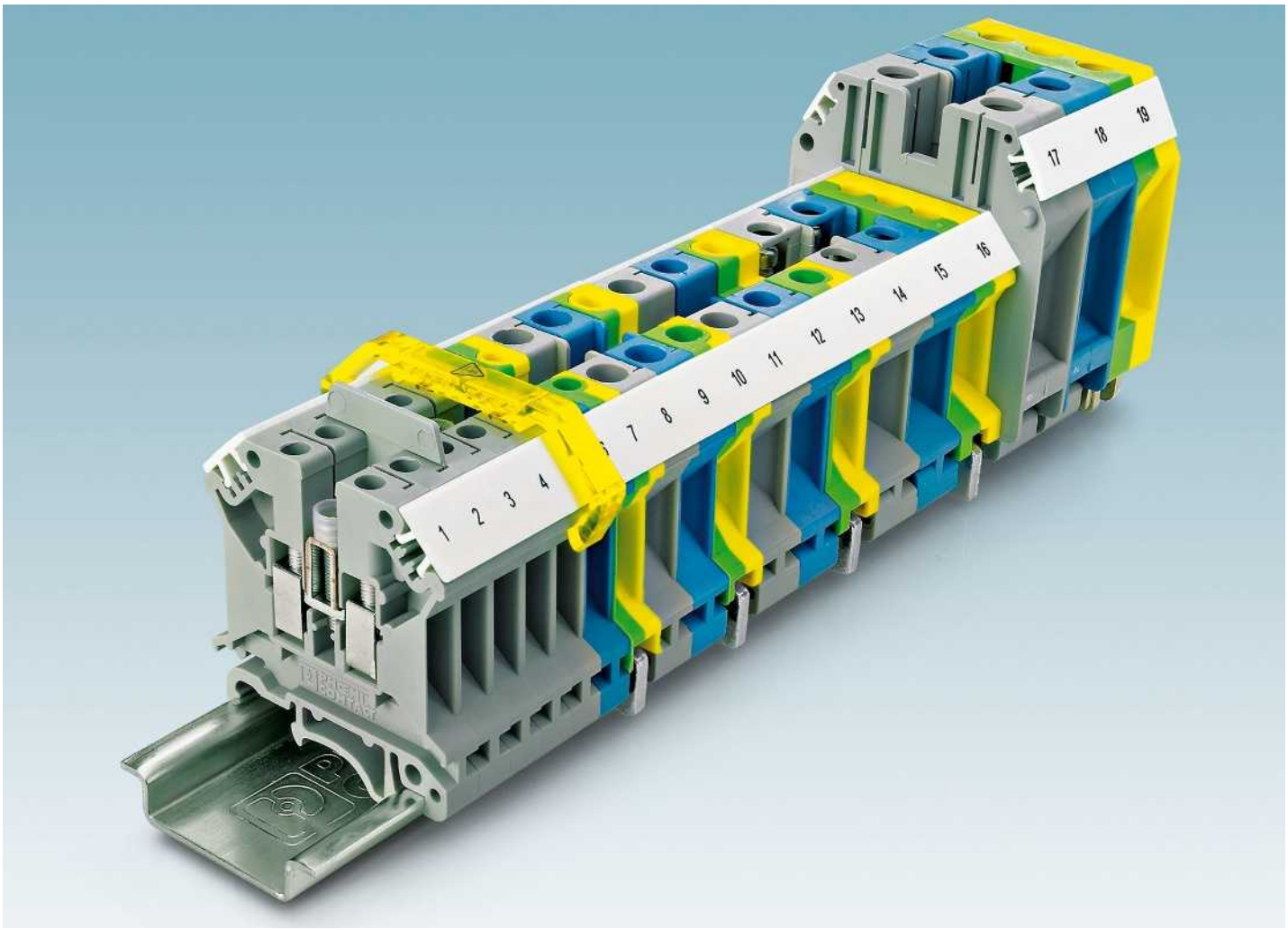
In addition to numerous approvals, all terminal blocks in the base series are certified according to the ATEX standard and can be used in Ex e potentially explosive areas.

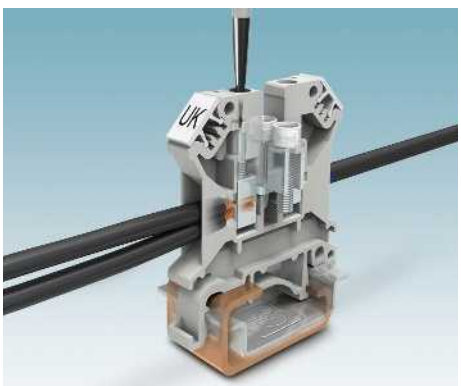
Shield terminals

Shield terminals ensure error-free operation of your system. They provide optimum wiring convenience, are suitable for all standard cable shielding, and support EMC-compliant wiring thanks to their large surfaces and low-impedance and low-resistance contact transitions.

Product range overview

UK universal terminal blocks	**358**
Feed-through terminal blocks and ground terminals	**360**
Feed-through terminal blocks and ground terminals with 3 and 4 connections	**368**
Double-level and ground double-level terminals	**374**
Cross-reference list: bridges	**378**
Three-level and three-conductor initiator terminal blocks	**382**
Four-conductor initiator and actuator terminal blocks	**388**
Three and four-level terminal blocks	**390**
Fuse terminal blocks	**392**
Lever-type fuse terminal blocks for photovoltaics	**402**
Disconnect terminal blocks	**410**
Knife disconnect terminal blocks	**416**
Slide-type terminal blocks, test disconnect terminal blocks	**421**
Double-level diode terminal blocks, component terminal blocks, LED terminal blocks	**432**
Ground disconnect terminal block	**437**
UK universal terminal blocks with special connection	**438**
UIK installation terminal blocks	**445**
SSK high-temperature terminal blocks	**451**
USST spring-assisted screw terminal blocks	**455**
MT and MBK mini screw terminal blocks	**463**
OTTA, RBO, and RSC bolt connection terminal blocks	**473**
G and UDB device terminal blocks	**499**
Accessories	**504**
SK ... shield terminals	**512**





Universal and zero-maintenance

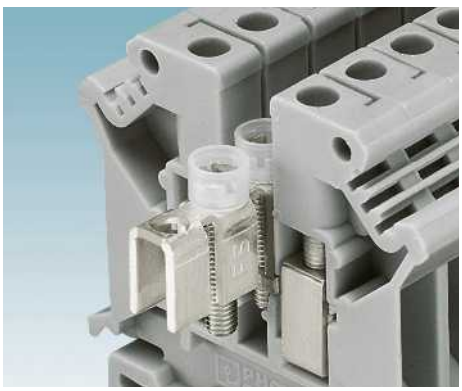
The UK screw connection is characterized by three main features.

– Global standard
– Multiple conductor connection
– Zero maintenance thanks to Reakdyn principle.



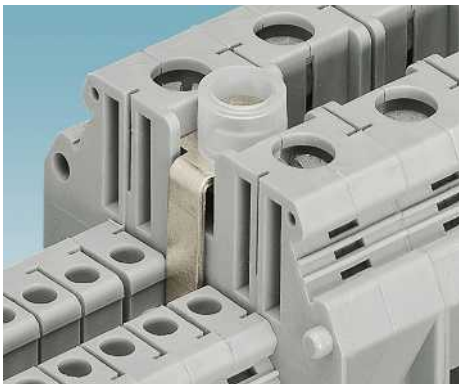
Universal housing foot

The universal foot allows the terminal blocks to be easily snapped onto two popular DIN rail profiles, the NS 35 DIN rail or the NS 32 DIN rail with G shape.

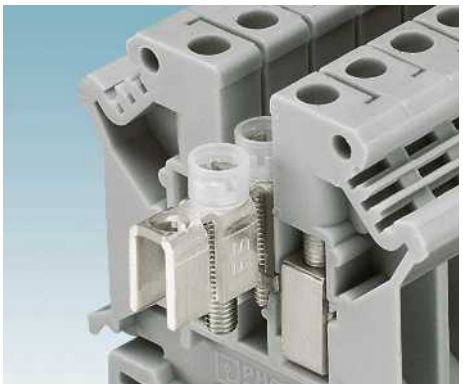


Screw-type bridge system

The area of application for terminal blocks is greatly determined by the bridge accessories. A wide choice of bridges is available for the UK series, enabling all switching tasks to be performed with ease.



If used with the corresponding fixed bridges, the STL... step brackets allow terminal blocks with different nominal cross sections to be connected. This allows power blocks to be created with ease.



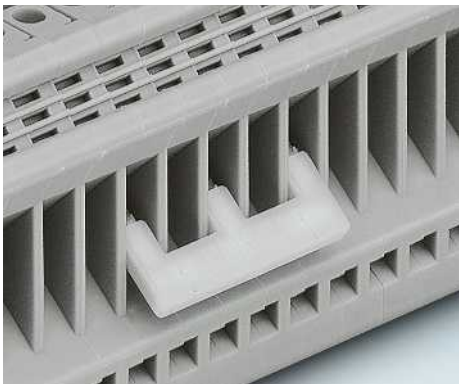
Any number of positions can be easily disconnected from a 10-pos. strip of the fixed bridge with isolation cap FBI ..., placed in the bridge shaft and screwed down.



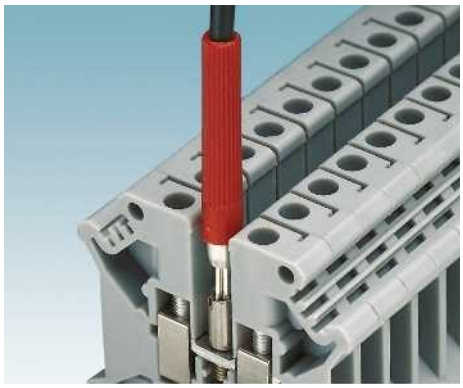
The L bridges LB ... can be used to guide two different potentials over up to 100 terminal blocks in the bridge shaft. Isolated and color-coded contact screws clearly indicate the relevant potential.



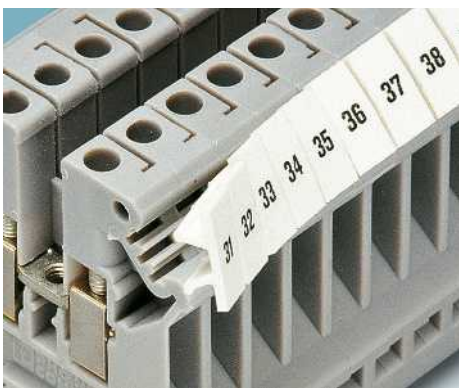
The bridge bar isolator switching jumpers ISSBI ... enable switchable cross connections if used with bridge bar isolator IS .... Here the screw has the function of a live switching element.



The EB ... isolated insertion bridges are simply clamped down at the connection points with or without conductors. The bridges can be assembled as required for the number of positions. Individual forks are removed for jumping bridging.



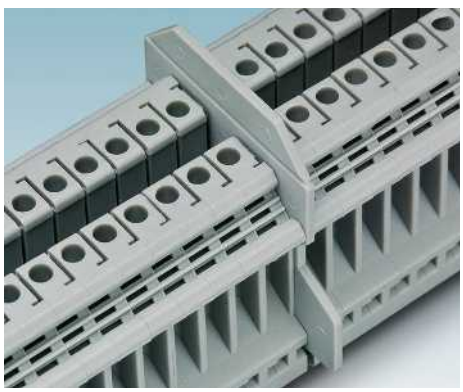
PSB ... test sockets which can be screwed into the bridge shaft enable reliable test connections for 2.3 mm and 4 mm test plugs. The 2.3 mm MPS ... test plug makes direct contact in the bridge shaft when using terminal blocks with 5.2 and 6.2 mm overall widths.



Large and clear marking of the terminal points is essential for reliable and quick installation. Each terminal point in the UK series can be marked separately.



The TS ... separating disk is used to electrically and visually separate two neighboring bridges. A separating disk should be placed on both sides of the bridge in order for the terminal blocks to retain their complete nominal voltage.



The partition plates protrude beyond the terminal block contours. They provide visual as well as electrical group separation.

UK ... feed-through terminal blocks

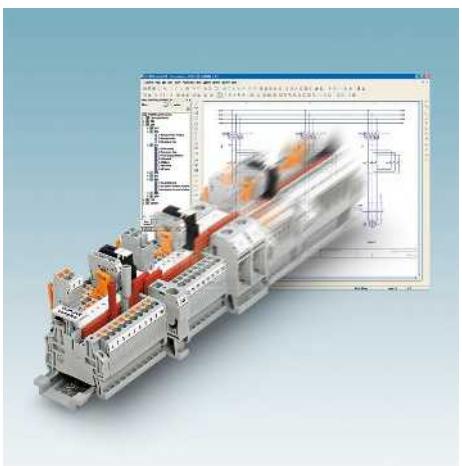


- The UK series of universal screw terminal blocks possesses typical features which are crucial to practical use
- Universal foot which can be used on DIN rails NS 35... and NS 32...
- Potential distribution alternatively via fixed bridges in the terminal center or insertion bridges in the clamping space.
- High bridge currents

High-current terminal blocks up to 240 mm²

The UKH high-current terminal blocks up to 240 mm² can be found in the section on UT... screw connection terminal blocks

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:
For more insertion bridges, visit phoenixcontact.net/products
[1]) For information on installation and using accessories for Ex applications, see page 602.



1.5 (1.5) mm², 17.5 A, feed-through terminal block

Ex: KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

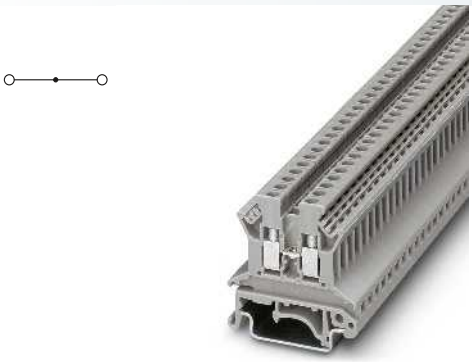
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		4.2	**42.5**	**42**
Dimensions				
	[mm]	Width	Length	Height NS 32
		4.2	**42.5**	**47**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		17.5	**500**	**0.14 - 1.5** / **30-14**
Rated data		IEC 60947-7-1		Ex
		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	- / 352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	- / 17 / 1.5
Rated cross section	[mm²]	1.5	-	- / 0.14-1.5
Cross section range	AWG	26 - 16	30-14	- / 26 - 16
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75 / 0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.75	0.14 - 0.75	0.25 - 0.34 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 0.5
Max. cross section with insertion bridge	[mm²]	-	-	- / -
General data				
Stripping length	[mm]	7		
Screw thread		M2		
Tightening torque	[Nm]	0.22 - 0.25		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UK 1,5 N**		**3005837**	50
		blue	**UK 1,5 N BU**		**3005840**	50

Accessories[1])

Cover, width 1.5 mm		gray	**D-UK 2,5**		**3001022**	50
		blue	**D-UK 2,5 BU**		**3001103**	50
Cover, width 1.8 mm		gray				
		blue				
Fixed bridge, insulated	10	silver	**FBRN 10-4 N**	12 A	**3001624**	10
Insertion bridge, insulated	10	gray				
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed	2	silver				
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray				
Partition plate, 1.5 mm wide		gray	**ATP-UK**		**3003224**	50
Test socket		silver				
Test socket, insulated, can be used only with FBI and ISSBI		silver				
Screwdriver			**SZS 0,4X2,5 VDE**		**1205037**	10
Lateral groove marking			**ZB 4 (see Catalog 5)**			



2.5 (4) mm², 24 A, feed-through terminal block

Ex:
KEMA 06ATEX0119 U / IECEx KEM 06.0034U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**42**	
Width	Length	Height NS 32	
5.2	**42.5**	**47**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**800**	**0.2 - 4**	**30-12**
IEC 60947-7-1			Ex
IEC	UL	CSA	IEC/ EN 60079-7
800	300	300	550
24 / 2.5	20 / -	20 / -	22 / 2.5
2.5	-	-	0.2-2.5
24 - 12	30-12	28-12	24 - 12
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1.5
2.5	2.5	-	-
7			
M3			
0.6 - 0.8			
PA			
V2			

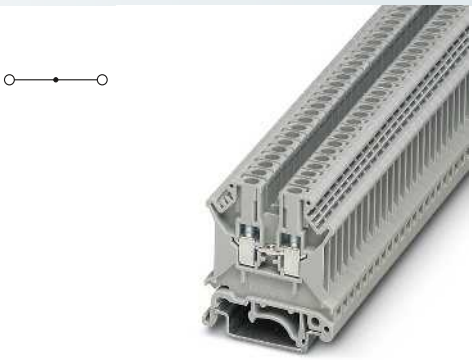
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 2,5 N		**3003347**	50
UK 2,5 N BU		**3003350**	50

Accessories[1])

D-UK 2,5		**3001022**	50
D-UK 2,5 BU		**3001103**	50
FBRI 10-5 N	24 A	**2770642**	10
EBL 10- 5	24 A	**2303132**	10
USBR 2-7	18 A	**2303239**	1
TS-KK 3		**2770215**	50
ATP-UK		**3003224**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 5 (see Catalog 5)



2.5 (4) mm², 32 A, feed-through terminal block

Ex:
KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**47**	
Width	Length	Height NS 32	
5.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32	**800**	**0.2 - 4**	**28-12**
IEC 60947-7-1			Ex
IEC	UL	CSA	IEC/ EN 60079-7
800	600	600	690
24 / 2.5	20 / -	20 / -	23 / 2.5
2.5	-	-	0.2-2.5
24 - 12	28-12	28-12	24 - 12
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

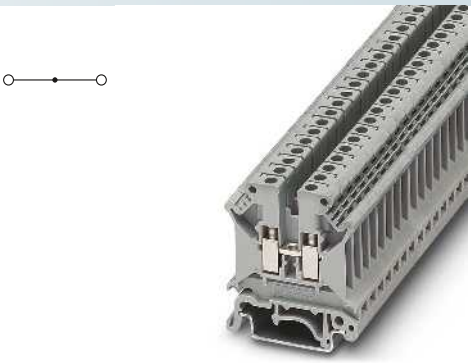
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 3 N		**3001501**	50
UK 3 N BU		**3001514**	50

Accessories[1])

D-UK 4/10		**3003020**	50
D-UK 4/10 BU		**3003101**	50
FBRI 10-5 N	30 A	**2770642**	10
EBL 10- 5	24 A	**2303132**	10
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 5 (see Catalog 5)



4 (6) mm², 41 A, feed-through terminal block

Ex:
KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
41	**800**	**0.2 - 6**	**30-10**
IEC 60947-7-1			Ex
IEC	UL	CSA	IEC/ EN 60079-7
800	600	600	690
32 / 4	30 / -	30 / -	30.5 / 4
4	-	-	0.2-4
24 - 10	30-10	28-10	24 - 10
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5 N		**3004362**	50
UK 5 N BU		**3004388**	50

Accessories[1])

D-UK 4/10		**3003020**	50
D-UK 4/10 BU		**3003101**	50
FBI 10- 6	41 A	**0203250**	10
EB 10- 6	32 A	**0201139**	10
USBR 2-7	34 A	**2303239**	1
ISSBI 10- 6	30 A	**0301505**	10
IS-K 4		**1302338**	100
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

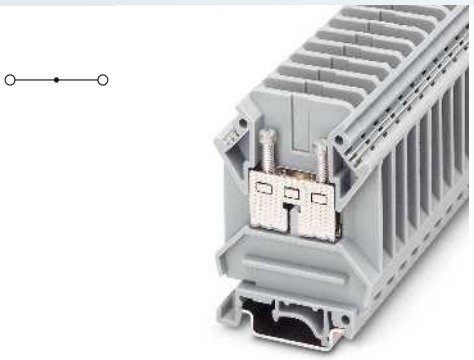
ZB 6 (see Catalog 5)

UK ... feed-through terminal blocks

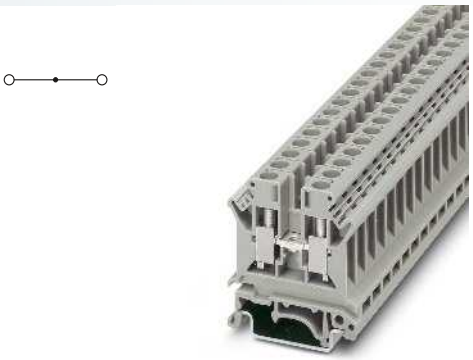
– All universal terminal blocks from the UK... series can also be used in the area at risk of explosion according to IEC/EN 60079 as standard
– The corresponding EC sample test certificate numbers for Ex approval can be found in the technical connection data

Notes:

[1]) For information on installation and using accessories for Ex applications, see page 602.



6 (10) mm², 57 A, 2000 V, feed-through terminal block



6 (10) mm², 57 A, feed-through terminal block

Ex: SEV12ATEX0168U / IECEx SEV12.0008U

Ex: KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**52**	**70.5**		**8.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**10.2**	**52**	**75.5**		**8.2**	**42.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		57	**2000**	**0.5 - 10**	**26-8**	**57**	**800**	**0.2 - 10**	**26-8**
		IEC 60947-7-1				IEC 60947-7-1			
Rated data		IEC	UL	CSA	IEC/ EN 60079-7	IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	2000	1000	600	1100	800	600	600	690
Nominal current / cross section	[A] / [mm²]	41	50 / -	25 / -	41 / 6	41 / 6	50 / -	50 / -	41 / 6
Rated cross section	[mm²]	6	-	-	0.5-6	6	-	-	0.2-6
Cross section range	AWG	20 - 8	26-8	26-12	20 - 8	24 - 8	26-8	26-8	24 - 8
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 10	0.5 - 6	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 6	0.5 - 6	-	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6	-	-	-	0.5 - 4
Max. cross section with insertion bridge	[mm²]	-	-	-	-	4	4	-	-
General data									
Stripping length	[mm]	10				10			
Screw thread		M4				M4			
Tightening torque	[Nm]	1.5 - 1.8				1.5 - 1.8			
Insulating material		PA				PA			
Inflammability class according to UL 94		V0				V0			

Ordering data

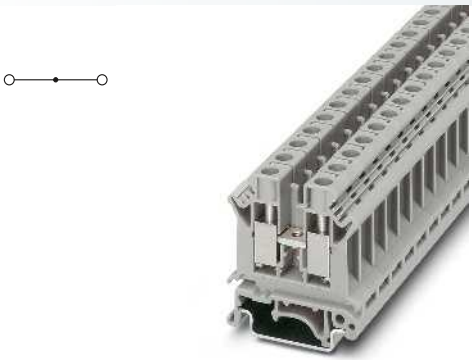
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UHSK/S 2000**		**0704076**	50
		blue				
Terminal block, for mounting on NS 35...		gray				
		blue				

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 6 N		**3004524**	50
UK 6 N BU		**3004977**	50

Accessories[1])

Cover, width 1.8 mm		gray				
Cover, width 1.5 mm		gray				
Cover, width 2 mm		gray	**D-UHSK 2000**		**0704021**	50
Fixed bridge, insulated						
	2	silver				
	10	silver	**FBI 10-10**	61 A	**0203276**	10
Insertion bridge, fully insulated						
	10	gray				
Switching jumper for 2 terminal blocks, a cover must be placed between them to increase isolation						
	2	silver				
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**						
	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray				
Partition plate, 1.5 mm wide		gray				
Test socket, for test connection with test plug PS		silver				
Screwdriver						
Lateral groove marking			**ZB 10 (see Catalog 5)**			

D-UK 4/10		**3003020**	50
FBI 10- 8	57 A	**0203263**	10
EB 10- 8	57 A	**0202138**	10
SB 2- 8/13 N	40 A	**0200062**	1
ISSBI 10- 8	57 A	**0301534**	10
IS-K 10		**1303337**	100
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 4/7/6		**0303299**	10
SZS 1,0X4,0 VDE		**1205066**	10
ZB 8 (see Catalog 5)			



10 (16) mm², 76 A, feed-through terminal block

Ex: c UL us
KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data

Width	Length	Height NS 35/7,5	
10.2	**42.5**	**47.3**	
Width	Length	Height NS 32	
10.2	**42.5**	**52.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
76	**800**	**0.5 - 16**	**24-6**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	600	690
57 / 10	65 / -	65 / -	57 / 10
10	-	-	0.5-10
20 - 6	24-6	24-6	20 - 6
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 6
10	10	-	-
10			
M4			
1.5 - 1.8			
PA			
V0			

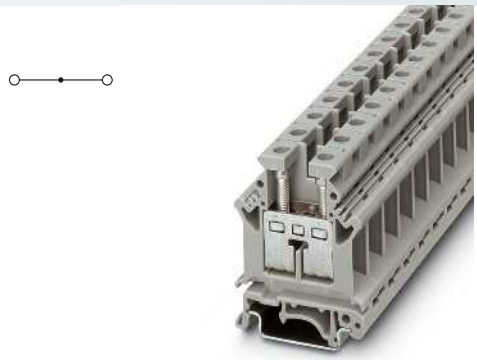
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10 N		**3005073**	50
UK 10 N BU		**3005086**	50

Accessories[1])

D-UK 4/10		**3003020**	50
FBI 10-10	76 A	**0203276**	10
EB 10-10	70 A	**0203137**	10
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 4/7/6		**0303299**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 10 (see Catalog 5)



16 (25) mm², 101 A, feed-through terminal block

Ex: c UL us
KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data

Width	Length	Height NS 35/7,5	
12.2	**42.5**	**54**	
Width	Length	Height NS 32	
12.2	**42.5**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
101	**800**	**2.5 - 25**	**22-4**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	600	690
76 / 16	85 / -	85 / -	74 / 16
16	-	-	4-16
14 - 4	22-4	22-4	14 - 4
Solid	Stranded	Ferrule without/with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	-
-	-	-	0.75 - 10
16	16	-	-
11			
M4			
1.5 - 1.8			
PA			
V0			

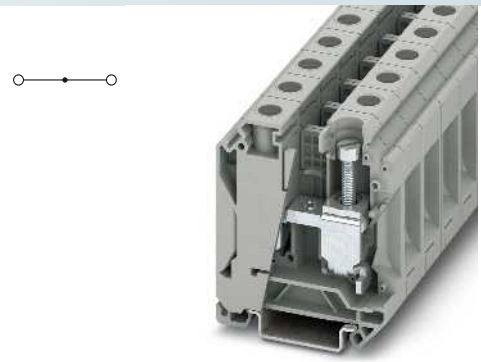
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 16 N		**3006043**	50
UK 16 N BU		**3006056**	50

Accessories[1])

D-UK 16		**3006027**	50
FBI 10-12	101 A	**0203454**	10
EB 10-12	70 A	**3006137**	10
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 4/7/6		**0303299**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 12 (see Catalog 5)



35 (35) mm², 125 A, feed-through terminal block

EAC

Technical data

Width	Length	Height NS 35/7,5	
16	**54.5**	**62**	
Width	Length	Height NS 32	
16	**54.5**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
125	**1000**	**10 - 35**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
1000	-	-	-
125 / 35	-	-	-
35	-	-	-
8 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	-
-	-	-	6 - 10
-	-	-	-
16			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 35 N		**3074130**	50
UK 35 N BU		**3058350**	50

Accessories[1])

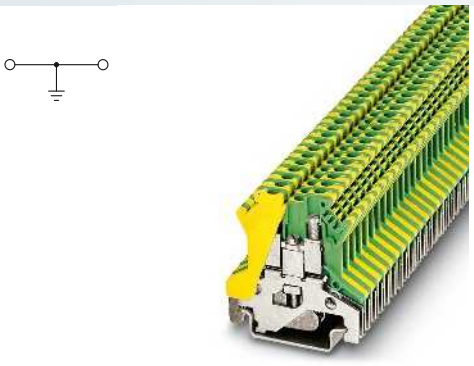
FBI 2-15	125 A	**0201333**	10
PSB 6/5/6		**0205290**	10
SZS 1,0X6,5 VDE		**1205079**	10

ZB 16,3 (see Catalog 5)

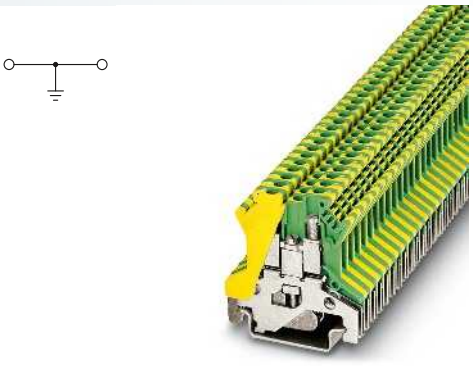
USLKG ... ground terminals

Notes:

[1]) For information on installation and using accessories for Ex applications, see page 602.



1.5 (1.5) mm², ground terminal



2.5 (4) mm², ground terminal

Ex: KEMA 99ATEX4487U / IECEx KEM 06.0035U

Ex: KEMA 96ATEX4370 U / IECEx KEM 06.0035U

Technical data

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**4.2**	**42.5**	**42**		**5.2**	**42.5**	**42**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**4.2**	**42.5**	**47**		**5.2**	**42.5**	**47**	
Max. electrical data				Max. Ø [mm²]	AWG (UL)			Max. Ø [mm²]	AWG (UL)
				0.14 - 1.5	**30-14**			**0.2 - 4**	**30-12**
		IEC 60947-7-2				IEC 60947-7-2			
Rated data		IEC	UL	CSA	IEC/ EN 60079-7	IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	- / 1.5	-	-	-	- / 2.5
Rated cross section	[mm²]	1.5	-	-	0.14-1.5	2.5	-	-	0.2-2.5
Cross section range	AWG	26 - 16	30-14	-	26 - 16	24 - 12	30-12	28-12	24 - 12
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.14 - 0.75	0.14 - 0.75	0.25 - 0.34	-	0.2 - 1	0.2 - 1	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 0.5	-	-	-	0.5 - 1.5
General data									
Stripping length	[mm]	7				7			
Screw thread		M2				M3			
Terminal point: thread / torque	- / [Nm]	M2 / 0.22 - 0.25				M3 / 0.6 - 0.8			
Mounting: thread / torque	- / [Nm]	M2 / 0.22 - 0.25				M2,5 / 0.5 - 0.6			
Insulating material		PA				PA			
Inflammability class according to UL 94		V0				V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal, for mounting on NS 32... or NS 35...	green-yellow	**USLKG 1,5 N**	**3005853**	50
Ground terminal, for mounting on NS 35/15–2,3	green-yellow			

Accessories[1])

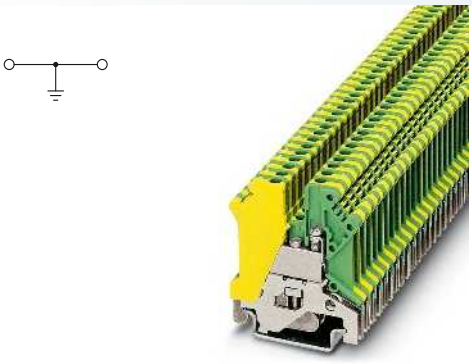
Screwdriver	**SZS 0,4X2,5 VDE**	**1205037**	10
Lateral groove marking	**ZB 4 (see Catalog 5)**		

Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 2,5 N	**0441119**	50
USLKG 2,5 N-1	**0443081**	50

Accessories[1])

SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 5 (see Catalog 5)			



2.5 (4) mm², ground terminal

CCA

Ex:

KEMA 97ATEX1622 U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**47**	
Width	Length	Height NS 32	
5.2	**42.5**	**52**	
		Max. Ø [mm²]	AWG (UL)
		0.2 - 4	**28-12**
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	- / 2.5
2.5	-	-	0.2-2.5
24 - 12	28-12	22-12	24 - 12
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
8			
M3			
M3 / 0.6 - 0.8			
M2,5 / 0.5 - 0.6			
PA			
V0			

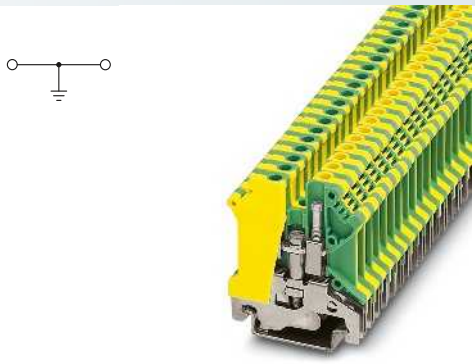
Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 3	**0441083**	50
USLKG 3-1	**0441106**	50

Accessories[1])

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

ZB 5 (see Catalog 5)



4 (6) mm², ground terminal

CCA

Ex:

KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
		Max. Ø [mm²]	AWG (UL)
		0.2 - 6	**26-10**
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	- / 4
4	-	-	0.2-4
24 - 10	26-10	26-10	24 - 10
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
8			
M3			
M3 / 0.6 - 0.8			
M3 / 0.6 - 0.8			
PA			
V0			

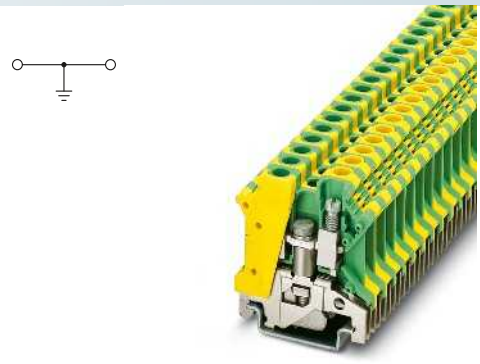
Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 5	**0441504**	50
USLKG 5-1	**0441517**	50

Accessories[1])

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

ZB 6 (see Catalog 5)



6 (10) mm², ground terminal

CCA

Ex:

KEMA 96ATEX4370 U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
8.2	**42.5**	**47**	
Width	Length	Height NS 32	
8.2	**42.5**	**52**	
		Max. Ø [mm²]	AWG (UL)
		0.2 - 10	**26-8**
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	- / 6
6	-	-	0.2-6
24 - 8	26-8	-	24 - 8
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 4
10			
M4			
M4 / 1.5 - 1.8			
M4 / 1.5 - 1.8			
PA			
V0			

Ordering data

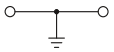
Type	Order No.	Pcs. / Pkt.
USLKG 6 N	**0442079**	50
USLKG 6 N-1	**0444048**	50

Accessories[1])

SZS 1,0X4,0 VDE	**1205066**	10

ZB 8 (see Catalog 5)

USLKG ... ground terminals





10 (16) mm², 76 A, ground terminal

Notes:

[1]) For information on installation and using accessories for Ex applications, see page 602.

CCA

Ex:

KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

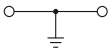
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**10.2**	**42.5**	**52**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG (UL)
		76		**0.5 - 16**	**24-6**
Rated data		IEC 60947-7-2 IEC	UL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	-	-	- / 10
Rated cross section	[mm²]	10	-	-	0.5-10
Cross section range	AWG	20 - 6	24-6	24-6	20 - 6
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Mounting: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal, for mounting on NS 32... or NS 35...	green-yellow	**USLKG 10 N**	**3003923**	50
Ground terminal, for mounting on NS 35/15–2,3	green-yellow	**USLKG 10 N-1**	**0442082**	50
Ground terminal, for mounting on NS 35...	green-yellow			

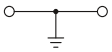
Accessories[1])

Screwdriver	**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove marking	**ZB 10 (see Catalog 5)**		





16 (25) mm², 101 A, ground terminal





35 (35) mm², 125 A, ground terminal

Ex: EAC Ex
KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
12.2	**42.5**	**54**	
Width	Length	Height NS 32	
12.2	**42.5**	**59**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG (UL)
101		**2.5 - 25**	**22-4**
IEC 60947-7-2			Ex
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	-	-	- / 16
16	-	-	4-16
12 - 4	22-4	22-4	12 - 4
Solid	Stranded	Ferrule without/with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	-
-	-	-	0.75 - 10
11			
M4			
M4 / 1.5 - 1.8			
M4 / 1.5 - 1.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 16 N	**0443023**	50
USLKG 16 N-1	**0443036**	50

Accessories[1])

SZS 1,0X4,0 VDE	**1205066**	10

ZB 12 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
16	**53.4**	**62**	
Width	Length	Height NS 32	
16	**53.4**	**-**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG (UL)
125		**10 - 35**	**-**
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	-	-	-
35	-	-	-
8 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	-
-	-	-	6 - 10
16			
M6			
M6 / 3.2 - 3.7			
M5 / 2.5 - 3			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 35 N	**3074143**	50

Accessories[1])

SZS 1,0X6,5 VDE	**1205079**	10

ZB 16,3 (see Catalog 5)

Feed-through terminal blocks with 3 UK...–TWIN and UK 10–PLUS connections

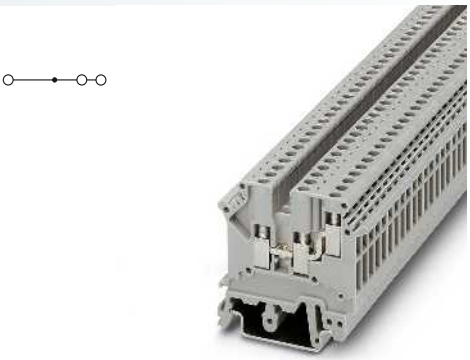


- These twin terminal blocks are designed for the basic job of potential branching
- The simple way to connect with very different types of conductors with very different cross sections
- Two independent conductor connections can be used on the control cabinet side
- Bridgeable in the terminal center, even with feed-through terminal blocks added as neighbors: UK 3–TWIN with UK 3 N, UK 5–TWIN with UK 5 N and UK 10–TWIN and UK 10–PLUS with UK 10 N
- The terminal blocks UK 3–TWIN and UK 5–TWIN have the same shape but different pitch widths
- The UK 10–TWIN has two 10 mm² connection options
- The UK 10–PLUS has one connection for connecting through a 10 mm² supply cable and a 4 mm² tap
- UK 10–TWIN and UK 10–PLUS can also be bridged in the terminal center with the feed-through terminal blocks UK 10 N
- With universal foot for mounting on NS 35.. or NS 32... DIN rails

Notes:

If UK universal terminal blocks are added to the open side of the UK 3-TWIN and UK 5-TWIN, the open metal part must be closed with the UK 5–TWIN DECKELSEGMENT, five of which are supplied with every package.

[1]) Tap: 41 A / 6 mm²



2.5 (2.5) mm², 24 A, feed-through terminal block, 3 connections

CCA

Technical data

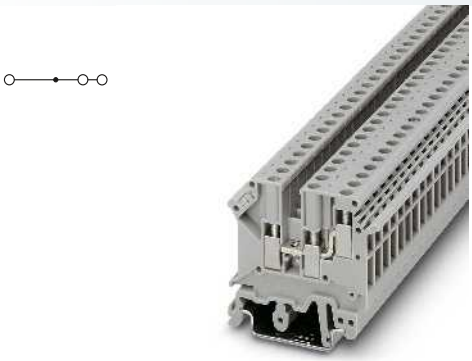
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**50.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**5.2**	**50.5**	**52**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		24	**400**	**0.2 - 2.5** / **30-12**
Rated data		IEC 60947-7-1 / IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	10 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 14	30-12	28-12	-
Connection capacity continuity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	0.25 - 1
2 conductors (of the same type)	[mm²]	0.2 - 0.5	0.2 - 0.5	0.25 - 0.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 0.75
Max. cross section with insertion bridge	[mm²]	2.5	2.5	-	-
Connection capacity pick-off		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	-	-	-
2 conductors (of the same type)	[mm²]	-	-	-	-
Two conductors with a TWIN ferrule	[mm²]				-
General data					
Stripping length: Continuity / pick-off	[mm]	8 / -			
Continuity: thread / torque		M3 / 0.5 - 0.6			
Pick-off: thread / torque		- / -			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

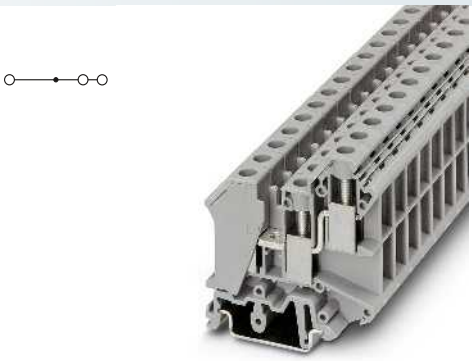
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for reversible mounting on NS 32... or NS 35...		gray	**UK 3-TWIN**		**3002225**	50
		blue	**UK 3-TWIN BU**		**3002416**	50

Accessories

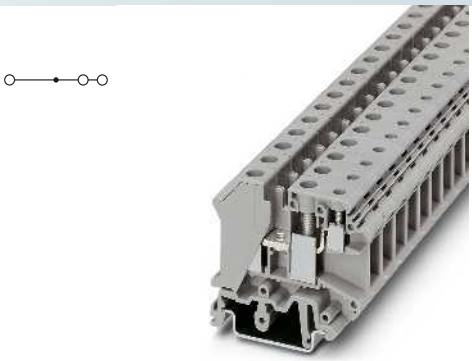
Cover, width 2 mm		gray	**D-UK 5-TWIN**		**1923034**	50
		blue	**D-UK 5-TWIN BU**		**1923050**	50
Fixed bridge, insulated	10	silver	**FBRI 10-5 N**	24 A	**2770642**	10
Insertion bridge, insulated	2	gray	**EBL 2- 5**	24 A	**2303145**	10
	3	gray	**EBL 3- 5**	24 A	**2303158**	10
	10	gray	**EBL 10- 5**	24 A	**2303132**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-K**		**1302215**	50
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 5 (see Catalog 5)**			



4 (4) mm², 32 A, feed-through terminal block, 3 connections



10 (16) mm², 76 A, feed-through terminal block, 3 connections



10 (16) mm², 76 A, feed-through terminal block, with tap

Technical data

Width	Length	Height NS 35/7,5	
6.2	**50.5**	**47**	
Width	Length	Height NS 32	
6.2	**50.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32	**500**	**0.2 - 4**	**30-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	150	300	275
32 / 4	30 / -	30 / -	32
4	-	-	-
24 - 12	30-10	22-10	0.2-4
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	4	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
			-
8 / -			
M3 / 0.6 - 0.8			
- / -			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-TWIN		**1923021**	50
UK 5-TWIN BU		**1923047**	50

Accessories

D-UK 5-TWIN		**1923034**	50
D-UK 5-TWIN BU		**1923050**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	32 A	**0201155**	100
EB 3- 6	32 A	**0201142**	100
EB 10- 6	32 A	**0201139**	10
TS-K		**1302215**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
10.2	**56.5**	**59**	
Width	Length	Height NS 32	
10.2	**56.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
76	**800**	**0.5 - 16**	**24-6**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	300	600	-
57 / 10	65 / -	65 / -	-
10	-	-	-
20 - 6	24-6	24-6	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
			-
11 / -			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-TWIN		**3005196**	50
UK 10-TWIN BU		**3005235**	50

Accessories

FBI 10-10	76 A	**0203276**	10
TS-KK 3		**2770215**	50
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 RD		**0303325**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
10.2	**53**	**47**	
Width	Length	Height NS 32	
10.2	**53**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
76[1])	**800**	**0.5 - 16**	**24-6**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	600	-
57 / 10	65 / -	65	-
10	-	-	-
20 - 6	24-6	24-6	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
11 / 7			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-PLUS		**3001381**	50
UK 10-PLUS BU		**3001475**	50

Accessories

FBI 10-10	76 A	**0203276**	10
TS-KK 3		**2770215**	50
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 RD		**0303325**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 10 (see Catalog 5)

Ground terminals with 3 UK...–TWIN–PE and UK 10–PLUS–PE connections

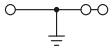


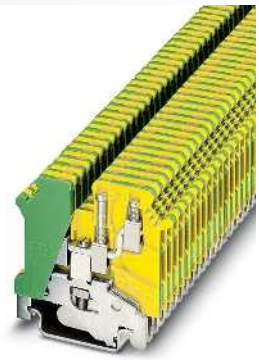
– Same shape and pitch as the feed-through terminal blocks
– Universal ground conductor foot for mounting on NS 35...- or NS 32... DIN rails (with the exception of NS 35/15–2,3)
– Bridges LB ... and ISSBI 10–6 can be attached to the neighboring UK, UK–TWIN and UK–PLUS versions with bridging facility thanks to the housing cut-outs in the ground terminals

Notes:

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) Tap: 41 A / 6 mm²





2.5 (2.5) mm², ground terminal, 3 connections

Technical data

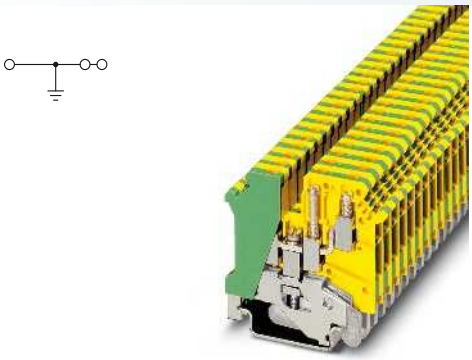
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**50.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**5.2**	**50.5**	**52**
Max. electrical data				Max. Ø [mm²] / AWG (UL)
				0.2 - 2.5 / **30-12**
Rated data		IEC 60947-7-2 IEC	UL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	-	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 14	30-12	- / -
Connection capacity continuity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / 0.25 - 1
2 conductors (of the same type)	[mm²]	0.2 - 0.5	0.2 - 0.5	0.25 - 0.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 0.75
Connection capacity pick-off		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	-	-	- / -
2 conductors (of the same type)	[mm²]	-	-	- / -
Two conductors with a TWIN ferrule	[mm²]			-
General data				
Stripping length: Continuity / pick-off	[mm]	8 / -		
Continuity: thread / torque		M3 / 0.5 - 0.6		
Pick-off: thread / torque		- / -		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

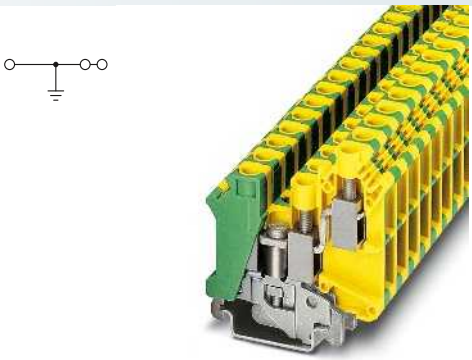
Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal, for mounting on NS 32... or NS 35...	green-yellow	**UK 3-TWIN-PE**	**1923128**	50

Accessories

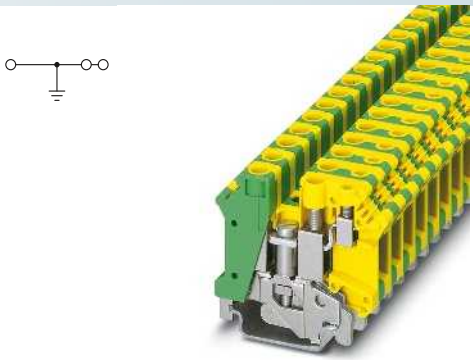
Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove marking	**ZB 5 (see Catalog 5)**		



4 (4) mm², ground terminal, 3 connections



10 (16) mm², 76 A, ground terminal, 3 connections



10 (16) mm², 76 A, ground terminal, with tap and PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**50.5**	**47**	
Width	Length	Height NS 32	
6.2	**50.5**	**52**	
		Max. Ø [mm²]	AWG (UL)
		0.2 - 4	**30-10**

IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
4	-	-	-
24 - 12	30-10	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5

Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
			-

8 / -
M3 / 0.6 - 0.8

- / -

PA
V2

Ordering data

Type	Order No.	Pcs. / Pkt.
UK 5-TWIN-PE	**1923076**	50

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
10.2	**56.5**	**59**	
Width	Length	Height NS 32	
10.2	**56.5**	**64**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG (UL)
76[1])		**0.5 - 16**	**24-6**

IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
57 / 10	-	-	-
10	-	-	-
20 - 6	24-6	24-6	-

Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4

Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
			-

11 / -
M4 / 1.5 - 1.8

- / -

PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
UK 10-TWIN-PE	**3001433**	50

Accessories

SZS 1,0X4,0 VDE	**1205066**	10

ZB 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
10.2	**53**	**47**	
Width	Length	Height NS 32	
10.2	**53**	**52**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG (UL)
76[2])		**0.5 - 16**	**24-6**

IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
57[1]) / 10	-	-	-
10	-	-	-
20 - 6	24-6	24-6	-

Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 6	-
-	-	-	0.5 - 6

Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5

11 / 7
M4 / 1.5 - 1.8

M3 / 0.6 - 0.8

PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
UK 10-PLUS-PE	**3001420**	50

Accessories

SZS 1,0X4,0 VDE	**1205066**	10

ZB 10 (see Catalog 5)

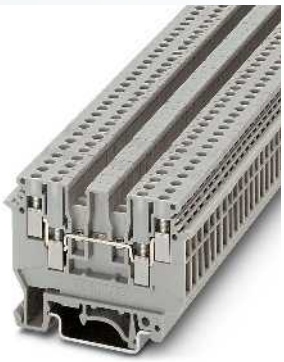
Feed-through and PE terminal blocks with 4 UDK ... connections

– Two connection points on each side to accommodate several conductors
– Double bridge shaft enables individual potential distribution and supply
– Overall width 5.2 mm or 6.2 mm
– UDK 3 and UDK 4 are of the same shape

Ground terminal UDK ...-PE

– Same shape and pitch as the feed-through terminal blocks
– The bridge ISSBI 10–6 can be attached to the neighboring UDK 4 versions with bridging facility thanks to the housing cut-outs in the ground terminals
– Universal ground conductor foot for mounting on NS 35...- or NS 32... DIN rails (with the exception of NS 35/15–2,3)

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



2.5 (4) mm², 32 A, feed-through terminal block, 4 connections

Technical data

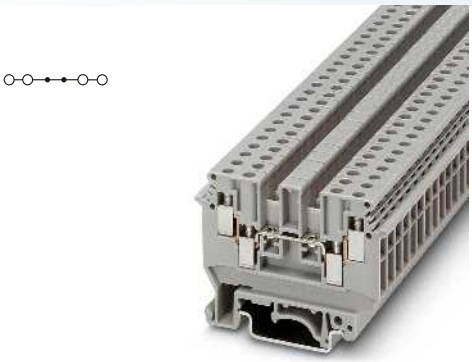
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**63.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**5.2**	**63.5**	**52**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		32	**500**	**0.2 - 4** / **30-12**
Rated data		IEC 60947-7-1 IEC	UL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	30-12	28-12 / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1
Max. cross section with insertion bridge	[mm²]	2.5	2.5	- / -
General data				
Stripping length	[mm]	8		
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6		
Mounting: thread / torque	- / [Nm]	- / -		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

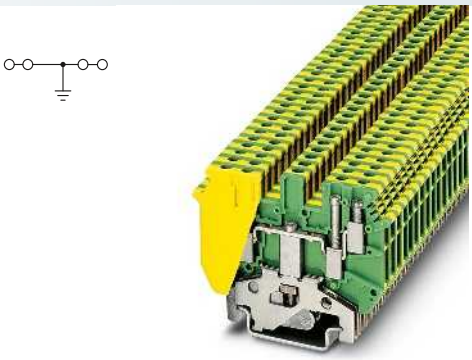
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UDK 3**		**2775375**	50
		blue	**UDK 3 BU**		**2718277**	50
Ground terminal, for mounting on NS 32... or NS 35...		green-yellow				

Accessories

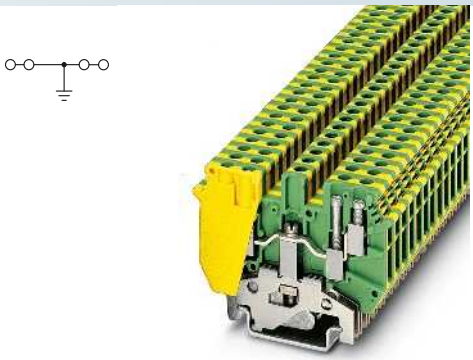
Cover, width 1.5 mm		gray	**D-UDK 4**		**2775113**	50
		blue	**D-UDK 4 BU**		**2775197**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar						
	2	silver	**FBRI 2-5 N**	26 A	**3000227**	10
	3	silver	**FBRI 3-5 N**	26 A	**3000201**	10
	4	silver	**FBRI 4-5 N**	26 A	**3000191**	10
	10	silver	**FBRI 10-5 N**	26 A	**2770642**	10
Insertion bridge, insulated						
	2	gray	**EBL 2- 5**	26 A	**2303145**	10
	3	gray	**EBL 3- 5**	26 A	**2303158**	10
	10	gray	**EBL 10- 5**	26 A	**2303132**	10
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed						
	2	silver				
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**						
	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 5 (see Catalog 5)**			



4 (6) mm², 32 A, feed-through terminal block, 4 connections



2.5 (4) mm², ground terminal, 4 connections



4 (6) mm², ground terminal, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 32	
6.2	**63.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32	**630**	**0.2 - 6**	**30-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
630	600	600	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 10	30-10	22-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
2.5	2.5	-	-
8			
M3 / 0.5 - 0.6			
- / -			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UDK 4		**2775016**	50
UDK 4 BU		**2775090**	50

Accessories

D-UDK 4		**2775113**	50
D-UDK 4 BU		**2775197**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	26 A	**0201155**	100
EB 3- 6	26 A	**0201142**	100
EB 10- 6	26 A	**0201139**	10
USBR 2-7	24 A	**2303239**	1
ISSBI 10- 6	32 A	**0301505**	10
IS-K 4		**1302338**	100
TS-KK 3		**2770215**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**63.5**	**47**	
Width	Length	Height NS 32	
5.2	**63.5**	**52**	
		Max. Ø [mm²]	AWG (UL)
		0.2 - 4	**30-12**
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
2.5	-	-	-
24 - 12	30-12	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
-	-	-	-
8			
M3 / 0.5 - 0.6			
M2,5 / 0.5 - 0.6			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDK 3-PE	**2775456**	50

Accessories

SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 32	
6.2	**63.5**	**52**	
		Max. Ø [mm²]	AWG (UL)
		0.2 - 6	**22-10**
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
4	-	-	-
24 - 10	22-10	22-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
-	-	-	-
8			
M3 / 0.5 - 0.6			
M3 / 0.6 - 0.8			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDK 4-PE	**2775184**	50

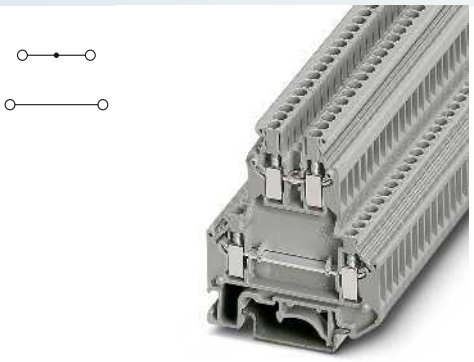
Accessories

SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

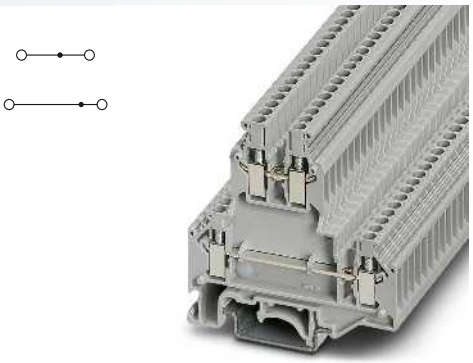
ZB 6 (see Catalog 5)

UKK ... double-level terminal blocks

- Compact double-level terminal blocks in nominal cross sections of 2.5 and 4 mm²
- One or two bridge shafts
- Large-scale marking option
- Even if fully wired, the level offset offers unobstructed access to the lower connection level



2.5 (4) mm², 32 A, double-level terminal block



2.5 (4) mm², 32 A, double-level terminal block, both levels can be bridged

CCA

CCA

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**56**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		32	**500**	**0.2 - 4**	**28-12**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	25 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Max. cross section with insertion bridge	[mm²]	2.5	2.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Width		Length	Height NS 35/7,5		
5.2		**67**	**62**		
Width		Length	Height NS 32		
5.2		**67**	**67**		
$I_{max.}$ [A]		$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
32		**500**	**0.2 - 4**	**28-12**	
IEC 60947-7-1 IEC		UL	CSA	IEC/ EN 60079-7	
500		600	300	-	
24 / 2.5		20 / -	25 / -	-	
2.5		-	-	-	
24 - 12		28-12	28-12	-	
Solid		Stranded	Ferrule without/with plastic sleeve		
0.2 - 4		0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	
0.2 - 1		0.2 - 1.5	0.25 - 1.5	-	
-		-	-	0.5 - 1	
2.5		2.5	-	-	
8					
M3					
0.5 - 0.6					
PA					
V0					

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, for mounting on NS 35... and NS 32...		gray	**UKK 3**		**2770011**	50
		blue	**UKK 3 BU**		**2770095**	50
Double-level terminal block, for mounting on NS 35... and NS 32..., with equipotential bonding between the levels		gray				

Ordering data

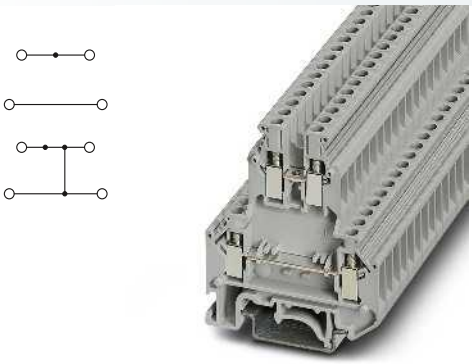
Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 3		**2771010**	50
UKKB 3 BU		**2771094**	50

Accessories

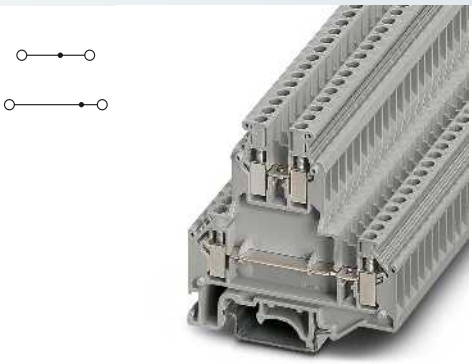
Cover, width 2.5 mm		gray	**D-UKK 3/5**		**2770024**	50
		blue	**D-UKK 3/5 BU**		**2770105**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UKK 3/5**		**2770794**	50
Fixed bridge, insulated						
	2	silver	**FBRNI 2-5 N**	28 A	**3000175**	10
	3	silver	**FBRNI 3-5 N**	28 A	**3000162**	10
	4	silver	**FBRNI 4-5 N**	28 A	**3000159**	10
	10	silver	**FBRNI 10-5 N**	28 A	**2770639**	10
Insertion bridge, insulated						
	2	gray				
	3	gray				
	10	gray	**EBL 10- 5**	22 A	**2303132**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**						
	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Partition plate, 2.5 mm wide		gray	**ATP-UKK 3/5**		**2778521**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 5 (see Catalog 5)**			

Accessories

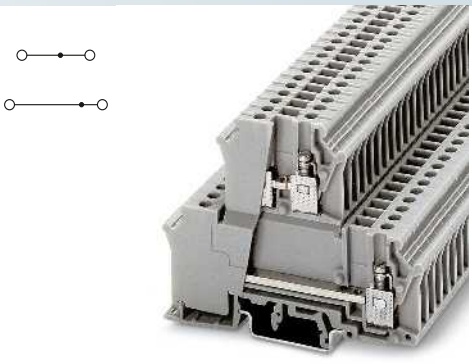
Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 3		**2771010**	50
UKKB 3 BU		**2771094**	50
DP-UKKB 3/ 5		**2770804**	50
FBRNI 2-5 N	28 A	**3000175**	10
FBRNI 3-5 N	28 A	**3000162**	10
FBRNI 4-5 N	28 A	**3000159**	10
FBRNI 10-5 N	28 A	**2770639**	10
EBL 10- 5	22 A	**2303132**	10
TS-KK 3		**2770215**	50
ATP-UKKB 3		**2771065**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 5 (see Catalog 5)			



4 (4) mm², 32 A, double-level terminal block



4 (4) mm², 32 A, double-level terminal block, both levels can be bridged



4 (4) mm², 32 A, 800 V, double-level terminal block, both levels can be bridged

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**62**	
Width	Length	Height NS 32	
6.2	**56**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32	**500**	**0.2 - 4**	**26-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	300	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5		**2774017**	50
UKK 5 BU		**2774091**	50
UKK 5-PV		**2791388**	50

Accessories

D-UKK 3/5		**2770024**	50
D-UKK 3/5 BU		**2770105**	50
DP-UKK 3/5		**2770794**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	28 A	**0201155**	100
EB 3- 6	28 A	**0201142**	100
EB 10- 6	28 A	**0201139**	10
ISSBI 10- 6	24 A	**0301505**	10
IS-K 4		**1302338**	100
TS-KK 3		**2770215**	50
ATP-UKK 3/5		**2778521**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**67**	**62**	
Width	Length	Height NS 32	
6.2	**67**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32	**500**	**0.2 - 4**	**26-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	300	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 5		**2771146**	50
UKKB 5 BU		**3216053**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	28 A	**0201155**	100
EB 3- 6	28 A	**0201142**	100
EB 10- 6	28 A	**0201139**	10
ISSBI 10- 6	24 A	**0301505**	10
IS-K 4		**1302338**	100
TS-KK 3		**2770215**	50
ATP-UKKB 3		**2771065**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Accessories

D-UKKB 3/5		**2771023**	50
D-UKKB 3/5 BU		**2771104**	50
DP-UKKB 3/ 5		**2770804**	50

Technical data

Width	Length	Height NS 35/7,5	
6.2	**84.5**	**64**	
Width	Length	Height NS 32	
6.2	**84.5**	**69**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32	**800**	**0.2 - 4**	**28-12**
IEC 60947-7-1			Ex
IEC	UL	CSA	IEC/ EN 60079-7
800	600	-	750
32 / 4	20 / -	-	27
4	-	-	-
24 - 12	28-12	-	0.2-4
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UXKK 4		**2780014**	50
FBI 10- 6	24 A	**0203250**	10

Accessories

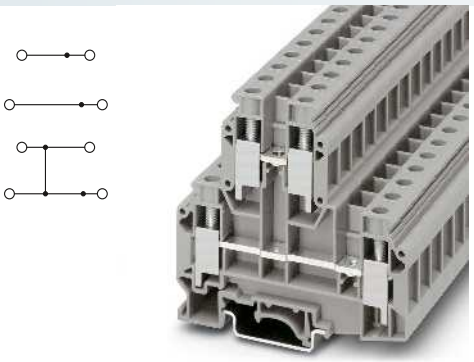
ZB 6 (see Catalog 5)

UKKB 10 ... double-level terminal blocks

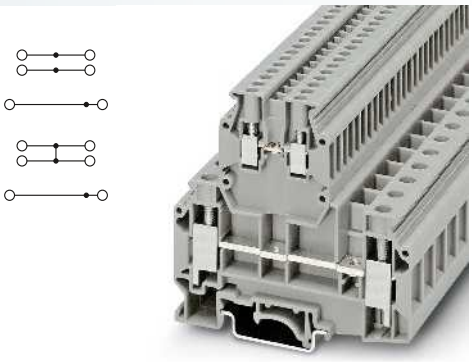
– Can be bridged on both levels for all potential distribution tasks
– Overall width of just 10.2 mm
– One of the special features of the UKKB 10/2,5 is that it allows two 2.5 mm² conductors to be connected in the upper level

Notes:

UKKB 10-PV: 70 A / 500 V



10 (16) mm², 76 A, double-level terminal block



10 (16) mm², 76 A, double-level terminal block, upper level with 2 x 2.5 mm² feed-through terminal blocks

CCA

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**10.2**	**77.5**	**73**	
Dimensions	Width	Length	Height NS 32	
[mm]	**10.2**	**77.5**	**78**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	76	**500**	**0.5 - 16**	**24-6**
Rated data lower level	IEC 60947-7-1			
	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	57 / 10	65 / -	65 / -	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	20 - 6	24-6	24-6	-
Connection capacity, lower level	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type) [mm²]	0.5 - 6	0.5 - 4	0.5 - 6	-
2 stranded conductors with a TWIN ferrule [mm²]				0.5 - 6
Rated data, upper level	IEC 60947-7-1			
	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	57 / 10	65 / -	65 / -	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	20 - 6	24-6	24-6	-
Connection capacity, upper level	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type) [mm²]	0.5 - 6	0.5 - 4	0.5 - 6	-
Two conductors with a TWIN ferrule [mm²]				0.5 - 6
General data				
Stripping length, lower / upper level [mm]	11 / 11			
Thread, lower / upper level	M4 / M4			
Tightening torque, lower / upper level [Nm]	1.5 - 1.8 / 1.5 - 1.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data

Width	Length	Height NS 35/7,5		
10.2	**77.5**	**73**		
Width	Length	Height NS 32		
10.2	**77.5**	**78**		
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
76	**500**	**0.5 - 16**	**24-6**	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
500	600	300	-	
57 / 10	65 / -	65 / -	-	
10	-	-	-	
20 - 6	24-6	24-6	-	
Solid	Stranded	Ferrule without/with plastic sleeve		
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6	
0.5 - 6	0.5 - 4	0.5 - 6	-	
			0.5 - 6	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
500	600	300	-	
24 / 2.5	20 / -	20 / -	-	
10	-	-	-	
24 - 12	30-12	28-12	-	
Solid	Stranded	Ferrule without/with plastic sleeve		
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1	-	
			0.5 - 1.5	
11 / 8				
M4 / M3				
1.2 - 1.8 / 0.5 - 0.8				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UKKB 10**		**2772077**	50
Terminal block, with equipotential bonder, for mounting on NS 32 ... or NS 35...		gray	**UKKB 10-PV**		**3003567**	50

Accessories

Cover, width 1.5 mm		gray	**D-UKKB 10**		**3001394**	50
Fixed bridge, insulated	10	silver				
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, can be separated, with 10 screws	10	silver	**FBI 10-10**	70 A	**0203276**	10
Chain bridge, with screw	1	silver	**KB- 10**	70 A	**0203205**	100
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10-10**	38 A	**0301521**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		**1303337**	100
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Marking for upper level			**ZB 10 (see Catalog 5)**			
Marking for lower level			**ZB 10 (see Catalog 5)**			

Ordering data

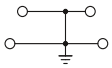
Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 10/2,5		**2771007**	50
UKKB 10/2,5-PV		**2775485**	50

Accessories

D-UKKB 10		**3001394**	50
FBRI 10-5 N	26 A	**2770642**	10
FBI 10-10	70 A	**0203276**	10
KB- 10	70 A	**0203205**	100
ISSBI 10-10	38 A	**0301521**	10
IS-K 10		**1303337**	100
SZS 1,0X4,0 VDE		**1205066**	10
ZB 5 (see Catalog 5)			
ZB 10 (see Catalog 5)			

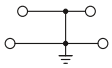
Double-level ground terminals UKK 5–PE and UKKB 5–PE

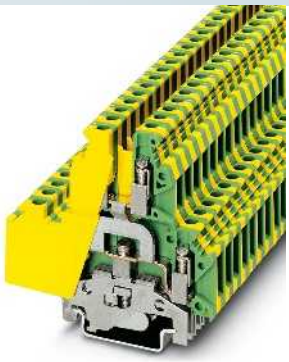
- Same shape and pitch as the feed-through terminal blocks
- Even if fully wired, the level offset offers unobstructed access to the lower connection level
- Universal ground conductor foot for mounting on NS 35...- or NS 32... DIN rails (with the exception of NS 35/15–2,3)





4 (4) mm², double-level ground terminal





4 (4) mm², double-level ground terminal

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**	
Max. electrical data				Max. Ø [mm²]	AWG (UL)
				0.2 - 4	**26-10**
Rated data		IEC 60947-7-2 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	28-10	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal, for mounting on NS 32... or NS 35...	green-yellow	**UKK 5-PE**	**2774211**	50

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove marking	**ZB 6 (see Catalog 5)**		

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**67**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**67**	**67**	
Max. electrical data				Max. Ø [mm²]	AWG (UL)
				0.2 - 4	**26-10**
Rated data		IEC 60947-7-2 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	28-10	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UKKB 5-PE	**3007123**	50

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10
ZB 6 (see Catalog 5)		

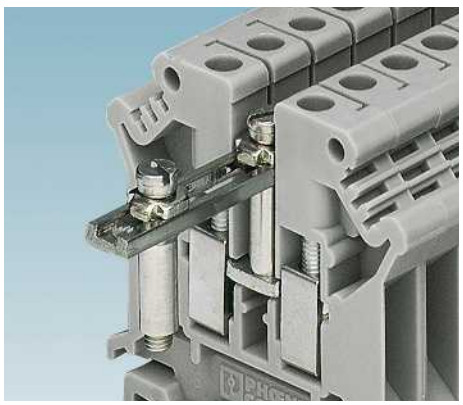
Bridging cross-reference list

Type	Order No.	UK 2,5 N Page 361	UK 3 N Page 361	UK 5 N Page 361	UK 6 N Page 362	UK 10 N Page 363	UK 16 N Page 363	UK 35 N Page 363
Isolator bridge bar, in connection with bridge bar isolator								
ISSBI 10-5	3026256	■	■					
ISSBI 10-6	0301505			■				
ISSBI 10-8	0301534				■			
ISSBI 10-10	0301521					■		
Bridge bar isolator, in connection with isolator bridge bar								
IS-K 2,5	3026243	■	■					
IS-K 4	1302338			■				
IS-K 10	1303337				■	■		
Cross connection bar, in connection with distance piece								
FB 150	0201595	■	■	■				
Distance piece, in connection with cross connection bar								
ZS-6	0201605							
ZSR	2303608	■	■	■				
L-bridge, 10-pos.								
LB 10-6 GY	0202358			■				
LB 10-6 BU	0202280			■				
L-bridge, 100-pos.								
LB 100-6 GY	0202345			■				
LB 100-6 BU	0202303			■				
Chain bridge								
KB 6	0201472			■				
KB 8	0202206				■			
KB 10	0203205					■		
KB 15	0204259							■

Isolator bridge bar ISSBI ... isolator bridge bar



Cross connection bar FB ... cross connection bar

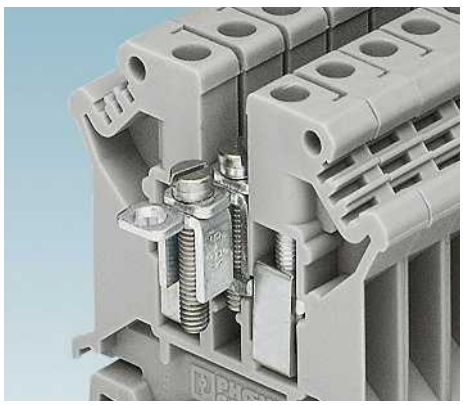


L-bridge LB ... L-bridge



UK 3-TWIN Page 368	UK 5-TWIN Page 369	UK 10-TWIN Page 369	UDK 3 Page 372	UDK 4 Page 373	UKK 3 Page 374	UKKB 3 Page 374	UKK 5 Page 375	UKKB 5 Page 375	UKKB 10 Page 376

Chain bridge KB ... chain bridge



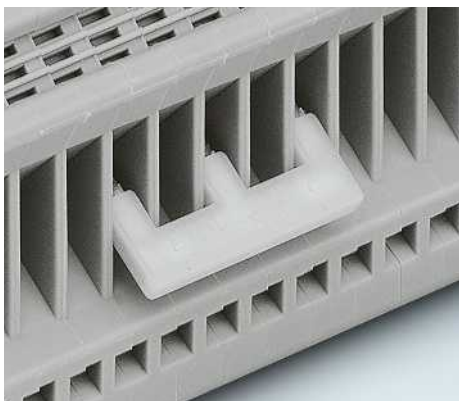
Bridge cross-reference list

Type	Order No.	UK 2,5 N Page 361	UK 3 N Page 361	UK 5 N Page 361	UK 6 N Page 362	UK 10 N Page 363	UK 16 N Page 363	UK 35 N Page 363
Switching bridge across two terminal blocks								
USBR 2-7	2303239	■	■	■				
SB 2-8/13	0202235				■			
SB 2-10/15	0203234					■	■	
Switching bridge for bridged terminal block groups								
USBRJ 2-7	2305538	■	■	■				
SBJ 2-8/13	0303286				■			
SBJ 2-10/15	0302287					■	■	
Star-delta bridge								
EB 3-6/ST	5020807			■				
EB 6-6/DR	5020255			■				
EB 3-8/ST	5020810				■			
EB 3-8/DR	5020768				■			
EB 3-10/ST	5020823					■		
EB 6-10/DR	5020771					■		
Step bracket								
STL 10N/5N	0204110			■		■		
Short-circuit plug								
KSS 5	2303543		■					
KSS 6	0301547			■				
KSS 3-6	0309523			■				
KSS 8	0311540				■			
KSS 10	0310541					■		

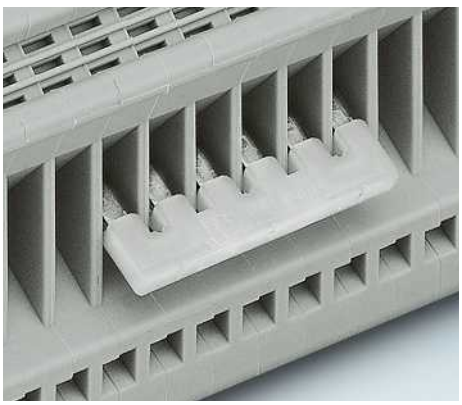
Switching bridge USBR ..., SB ... switching bridge



Star bridge EB .../ST star bridge

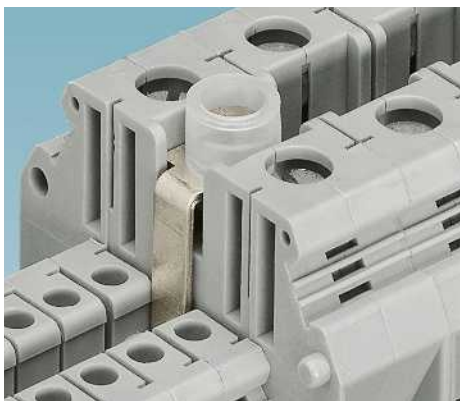


Delta bridge EB .../DR delta bridge

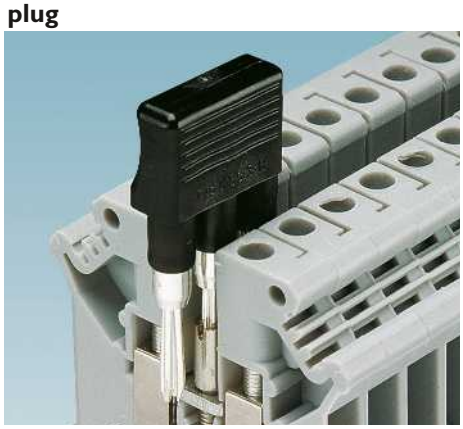


UK 3-TWIN Page 368	UK 5-TWIN Page 369	UK 10-TWIN Page 369	UDK 3 Page 372	UDK 4 Page 373	UKK 3 Page 374	UKKB 3 Page 374	UKK 5 Page 375	UKKB 5 Page 375	UKKB 10 Page 376
■	■		■	■	■	■	■	■	
		■							■
■	■		■	■	■	■	■	■	
		■							■
	■			■			■	■	
	■			■			■	■	
		■							■
		■							■
■			■		■	■			
	■			■			■	■	
	■			■			■	■	
		■							■

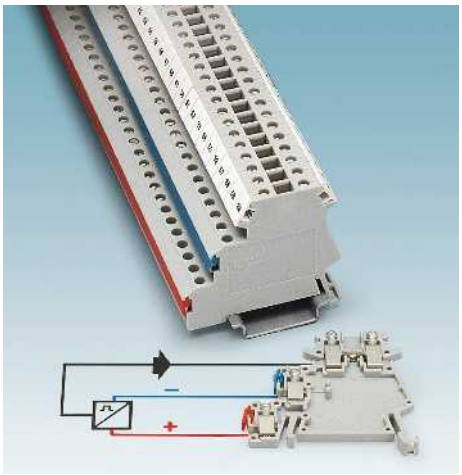
Step bracket STL ... step bracket



Short-circuit plug KSS ... short-circuit plug



Three-level and three-conductor initiator terminal blocks DIK 1,5 ... and DIKD 1,5 ...



The sensor and actuator conductors are wired in terminal boxes in order to reduce wiring costs. The positive and negative connections are grouped so that only the signal lines and one pair of conductors for the power supply need to be wired between the terminal box and the control.

DIK 1,5

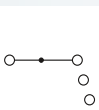
– The upper level accommodates the feed-through terminal blocks for the signal line which can be marked
– The two bottom terminal points supply the initiator with potential
– The lower terminal points can be bridged using a divisible insertion bridge

DIKD 1,5

– The positive and negative potential can be fed into the insertion bridges via this power terminal
– The first initiator can also be connected to this three-conductor feed-through terminal block

DIKD 1,5-PV

– Space-saving potential distributor terminal block
– Bridgeable upper level makes potential distribution over more than 6 terminal points possible
– The potential distributor terminal block is available with a gray, blue or black insulating housing for clear potential demarcation





2.5 (4) mm², 26 A, three-conductor initiator terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**55**	**54.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		26	**250**	**0.2 - 4** / **30-14**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-14	28-14	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

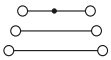
Ordering data

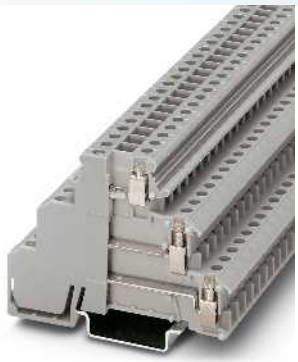
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**DIK 1,5**		**2715966**	50
		blue	**DIK 1,5 BU**		**2716059**	50
Terminal block, with three through contacts, for mounting on NS 35...		gray				
		blue				
Terminal block, with through contacts in the upper and middle levels, for mounting on NS 35...		gray				
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				
		blue				
		black				

Accessories

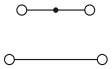
Fixed bridge, insulated					
	10	silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, for middle and lower levels					
	10	blue	**EB 10- DIK BU**	24 A	**2716680**	10
	10	red	**EB 10- DIK RD**	24 A	**2716774**	10
	10	gray	**EB 10- DIK GY**	24 A	**2715937**	10
	80	blue	**EB 80- DIK BU**	24 A	**2715940**	1
	80	red	**EB 80- DIK RD**	24 A	**2715953**	1
	80	white	**EB 80- DIK WH**	24 A	**2715788**	1
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

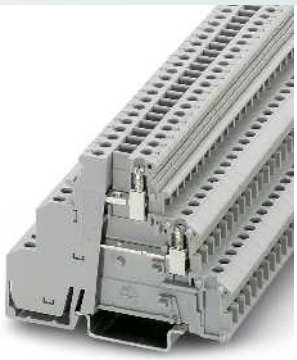
Marker strips, for middle and lower level	**SK 6,2/3,8 (see Catalog 5)**
Marking for upper level	**ZB 6 (see Catalog 5)**



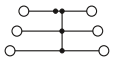


2.5 (4) mm², 30 A, three-level terminal block





2.5 (4) mm², 30 A, three-level terminal block with two feed-through levels





2.5 (4) mm², 32 A, three-level terminal block, internally connected levels

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5		**2715979**	50
DIKD 1,5 BU		**2716101**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 10- DIK BU	24 A	**2716680**	10
EB 10- DIK RD	24 A	**2716774**	10
EB 10- DIK GY	24 A	**2715937**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
250	300	-	-
24 / 2.5	15 / -	-	-
2.5	-	-	-
24 - 12	30-14	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-2D		**2716512**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 10- DIK BU	24 A	**2716680**	10
EB 10- DIK RD	24 A	**2716774**	10
EB 10- DIK GY	24 A	**2715937**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-PV		**2715092**	50
DIKD 1,5-PV BU		**2715584**	50
DIKD 1,5-PV BK		**2715571**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 10- DIK BU	24 A	**2716680**	10
EB 10- DIK RD	24 A	**2716774**	10
EB 10- DIK GY	24 A	**2715937**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Three-level and three-conductor initiator terminal blocks with LED display DIK 1,5 ...

– Terminal blocks with LED displays in red and green are available for optical identification of the initiator and actuator wiring

Notes:
1) Current and voltage are determined by the plug used.
2) LED display: Voltage 15–30 V DC, current 1–2.5 mA
3) The corresponding accessory is documented, see page 412.





2.5 (4) mm², 26 A, three-conductor terminal block with LED display





2.5 (4) mm², 26 A, three-conductor terminal block with LED display

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**55**	**54.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		26	**250**	**0.2 - 4**	**30-14**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**55**	**54.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		26	**250**	**0.2 - 4**	**30-14**
		IEC	UL	CSA	IEC/ EN 60079-7
	[V]	250	300	300	-
	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
	[mm²]	2.5	-	-	-
	AWG	24 - 12	30-14	28-14	-
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
	[A] / [mm²]	-	-	-	-
		Solid	Stranded	Ferrule without/with plastic sleeve	
	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
	[mm²]	-	-	-	0.5 - 1
	[mm²]	4	2.5	-	-
	[mm]	8			
		M3			
	[Nm]	0.5 - 0.6			
		PA			
		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with a red LED between the upper and middle level, for mounting on NS 35...2)		gray	**DIK 1,5-LA 24RD/O-M**		**2715856**	50
Green LED		gray	**DIK 1,5-LA 24GN/O-M**		**2715762**	50
Terminal block, with a red LED between the upper and lower level, for mounting on NS 35...2)		gray				
Green LED		gray				
Terminal block, with three through contacts and a red LED between the upper and middle level, for mounting on NS 35...2)		gray				
Green LED		gray				
Terminal block, with three through contacts and a red LED between the upper and lower level, for mounting on NS 35...2)		gray				
Green LED		gray				
Basic terminal block, for mounting on NS 35...3)		gray				

Ordering data

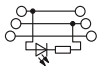
Type	I_{max}	Order No.	Pcs. / Pkt.
DIK 1,5-LA 24RD/U-O		**2715995**	50
DIK 1,5-LA 24GN/U-O		**2715733**	50

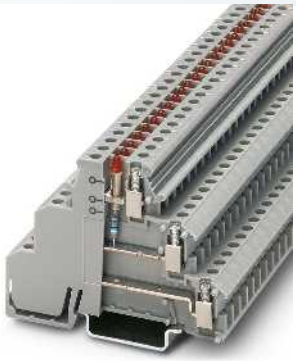
Accessories

Fixed bridge, insulated	10	silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, for middle and lower levels						
	80	blue	**EB 80- DIK BU**	24 A	**2715940**	1
	80	red	**EB 80- DIK RD**	24 A	**2715953**	1
	80	white	**EB 80- DIK WH**	24 A	**2715788**	1
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Marker strips,for middle and lower level			**SK 6,2/3,8 (see Catalog 5)**			
Marking for the upper level			**ZB 6 (see Catalog 5)**			

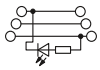
Accessories

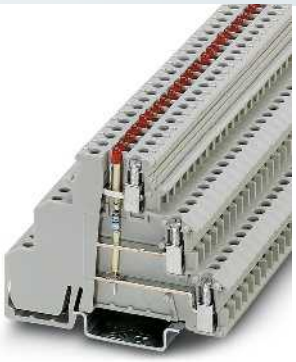
FBI 10- 6	24 A	**0203250**	10	
EB 80- DIK BU	24 A	**2715940**	1	
EB 80- DIK RD	24 A	**2715953**	1	
EB 80- DIK WH	24 A	**2715788**	1	
ATP-DIK 1,5		**1413272**	50	
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10	
SK 6,2/3,8 (see Catalog 5)				
ZB 6 (see Catalog 5)				



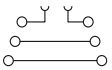


2.5 (4) mm², 30 A, three-level terminal block with LED display





2.5 (4) mm², 30 A, three-level terminal block with LED display





2.5 (4) mm², 30 A, three-level terminal block with disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**250**	**0.2 - 4**	**30-14**
IEC	UL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-LA 24RD/O-M		**2715814**	50
DIKD 1,5-LA 24GN/O-M		**2716376**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**250**	**0.2 - 4**	**30-14**
IEC	UL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-LA 24RD/U-O		**2716279**	50
DIKD 1,5-LA 24GN/U-O		**2716402**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
15[1])	**250[1])**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
15[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
15[1]) / 2.5	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-TG		**2774237**	50

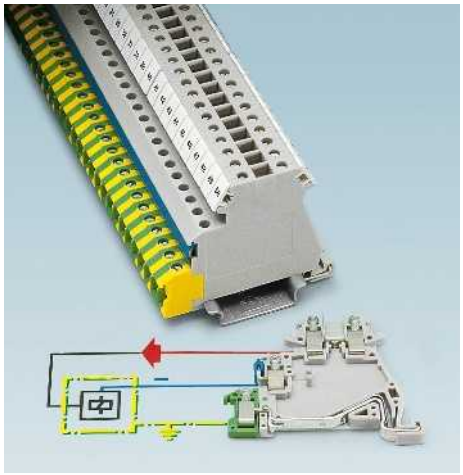
Accessories

EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Three-level and three-conductor actuator terminal blocks with PE foot DOK 1,5...



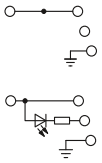
- Same shape as the three-level initiator terminal blocks DIK ...
- The upper level accommodates the feed-through terminals for the signal line which can be marked
- The middle level supplies the connected actuators with voltage
- Unlike the DIK terminal blocks, the lower level of these output terminal blocks makes direct contact with the DIN rail and as a PE connection they are marked green-yellow
- Convenient bridging of up to 80 terminal blocks with divisible insertion bridges
- The forks of the insertion bridge can be easily loosened for jumping bridging
- Alternate wiring of an actuator followed by an initiator is easy
- Because the spine of the insertion bridge can be snapped into place with the terminal block housing, all the terminal points can be wired freely and the bridge can be securely positioned
- Terminal blocks with LED displays in red and green are available for optical identification of the initiator and actuator wiring
- The component terminal block DOKD 1,5-TG can accommodate the fuse plug or the isolating connector

Notes:

[1]) Current and voltage are determined by the plug used.

[2]) LED display: Voltage 15–30 V DC, current 1–2.5 mA

[3]) The corresponding accessory is documented, see page 412.





2.5 (4) mm², 26 A, three-conductor actuator terminal block with PE foot

Technical data

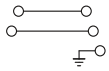
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**61.5**	**54.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		26	**250**	**0.2 - 4** / **30-14**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	30-14	28-14 / -
Disconnect level rated data		IEC	UL / CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	- / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**DOK 1,5**		**2717016**	50
Terminal block, with **red (RD)** LED between the upper and middle levels, for mounting on NS 35...[2])		gray	**DOK 1,5-LA 24RD/O-M**		**2717029**	50
Terminal block, with **green (GN)** LED between the upper and middle levels, for mounting on NS 35...[2])		gray	**DOK 1,5-LA 24GN/O-M**		**2717074**	50
Terminal block, with through contacts in the upper and lower levels, for mounting on NS 35...		gray				
Basic terminal block, for mounting on NS 35...[3])		gray				

Accessories

Insertion bridge, for middle and lower levels, fully insulated						
	10	gray	**EB 10- DIK GY**	26 A	**2715937**	10
	10	red	**EB 10- DIK RD**	26 A	**2716774**	10
	10	blue	**EB 10- DIK BU**	26 A	**2716680**	10
	80	blue	**EB 80- DIK BU**	26 A	**2715940**	1
	80	red	**EB 80- DIK RD**	26 A	**2715953**	1
	80	white	**EB 80- DIK WH**	26 A	**2715788**	1
Fixed bridge, insulated						
	10	silver	**FBI 10- 6**	26 A	**0203250**	10
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Marker strips,for middle and lower level			**SK 6,2/3,8 (see Catalog 5)**			
Marking for the upper level			**ZB 6 (see Catalog 5)**			





2.5 (4) mm², 26 A, three-level terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**62.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
26	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

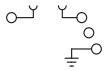
Type	I_{max}	Order No.	Pcs. / Pkt.
DOK 1,5-2D		**2717139**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)





2.5 (4) mm², 16 A, three-conductor actuator terminal block with disconnect zone and PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**61**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
16[1])	**250[1])**	**0.2 - 4**	**30-14**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
16[1]) / 1.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16[1])	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

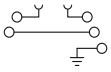
Type	I_{max}	Order No.	Pcs. / Pkt.
DOK 1,5-TG		**2717113**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIK 1,5		**1413272**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)





2.5 (4) mm², 26 A, three-level terminal block with disconnect zone and PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
26[1])	**250[1])**	**0.2 - 4**	**30-14**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
24[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16[1])	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DOKD 1,5-TG		**3011054**	50

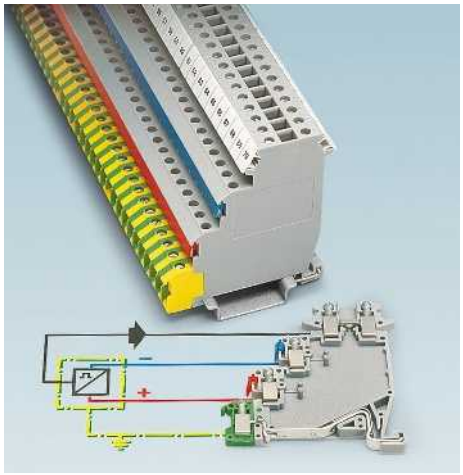
Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Four-conductor initiator and actuator terminal blocks VIOK 1,5...



VIOK 1,5

– This terminal block is a combination of a DIK ... and DOK ... terminal block where just one terminal block can be used for initiators and actuators
– The upper level accommodates the feed-through terminals for the signal line which can be labeled
– The two middle terminal points supply potential to the initiator
– The PE connection can be found in the lower level

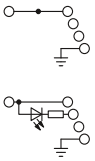
VIOK 1,5-2D

– This terminal block has two feed-through levels and two busbar levels
– It is used for programmable or self-monitoring initiators which are additionally controlled via the second feed-through level

VIOK 1,5-D/TG/D/PE

– Here a plug division is integrated in the second level from above. Therefore, the positive potential of the initiator can be transmitted via a fuse plug or – for maintenance and test purposes – via an isolating plug

Notes:
1) Current and voltage are determined by the plug used.
2) When using EB insertion bridges, the nominal voltage is reduced to 250 V.
3) The corresponding accessory is documented, see page 412.





2.5 (4) mm², 26 A, four-conductor actuator terminal block with PE foot

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**62.5**	**70**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		26	**250**	**0.2 - 4 / 30-14**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	30-14	28-14 / -
Disconnect level rated data		IEC	UL / CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	- / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

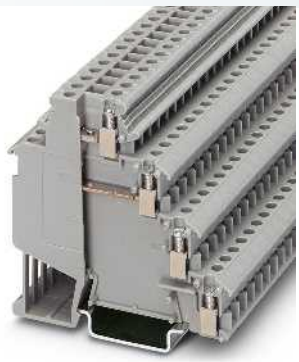
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**VIOK 1,5**		**2718015**	50
Terminal block, with **red (RD)** LED between the upper level and the level below it, for mounting on NS 35...		gray	**VIOK 1,5-LA 24RD/O-MO**		**2718028**	50
Terminal block, with **green (GN)** LED between the upper level and the level below it, for mounting on NS 35...		gray	**VIOK 1,5-LA 24GN/O-MO**		**2718112**	50
Terminal block, with two through contacts, for mounting on NS 35...		gray				
Terminal block, with three through contacts, for mounting on NS 35...		gray				
Basic terminal block, with two through contacts, for mounting on NS 35...3)		gray				

Accessories

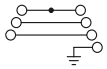
Insertion bridge, for middle and lower levels, fully insulated						
	10	gray	**EB 10- DIK GY**	26 A	**2715937**	10
	10	red	**EB 10- DIK RD**	26 A	**2716774**	10
	10	blue	**EB 10- DIK BU**	26 A	**2716680**	10
	80	blue	**EB 80- DIK BU**	26 A	**2715940**	1
	80	red	**EB 80- DIK RD**	26 A	**2715953**	1
	80	white	**EB 80- DIK WH**	26 A	**2715788**	1
Fixed bridge, insulated						
	10	silver	**FBI 10- 6**	26 A	**0203250**	10
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

Marker strips,for middle and lower level	**SK 6,2/3,8 (see Catalog 5)**
Marking for middle levels	
Marking for the upper level	**ZB 6 (see Catalog 5)**





2.5 (4) mm², 26 A, four-conductor terminal block, both upper levels as feed-through levels





2.5 (4) mm², 26 A, four-level terminal block with PE foot





2.5 (4) mm², 24 A, four-level terminal block with PE foot, disconnect zone in third level

Technical data

Width	Length	Height NS 35/7,5	
6.2	**73**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
26	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
VIOK 1,5-2D		**2718196**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
FBI 10- 6	26 A	**0203250**	10
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
26	**400[2])**	**0.2 - 4**	**30-14**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
VIOK 1,5-3D/PE		**2718206**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
FBI 10- 6	26 A	**0203250**	10
ATP-DIK 1,5		**1413272**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**91.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24[1])	**250[1])**	**0.2 - 4**	**30-14**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
24[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 1.5	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
VIOK 1,5-D/TG/D/PE		**3011067**	50

Accessories

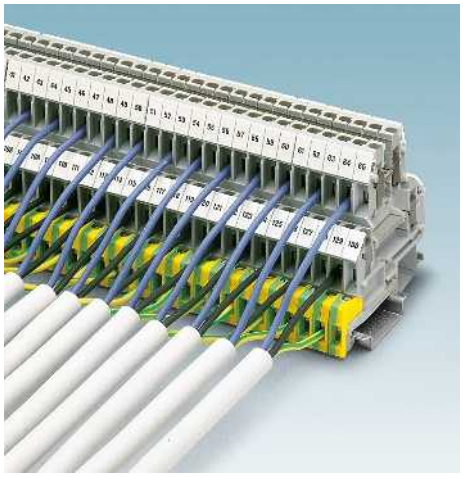
EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZBF 6 (see Catalog 5)

ZB 6 (see Catalog 5)

Three and four-level terminal blocks with PE foot SLKK ... and DLK ...



Three-level terminal blocks SLKK 5...

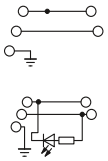
– With two laterally offset feed-through levels and ground connection to the DIN rail which acts as a grounding busbar
– This allows space-saving and systematic wiring of 3-wire conductors
– This is of advantage for controllers with external actuators, solenoid valves, and limit switches
– The SLKK 5-LA...U-O with integrated LED display visually indicates the voltage condition of the lower feed-through level
– The FBI 10-6 fixed bridge is used on the upper level to connect the return lines for the LED displays and the external loads to form a common busbar

Four-level terminal blocks DLK ...

– The three-conductor terminal blocks DLK 2,5-PE and DLKB 2,5-PE are particularly suited to wiring three-phase current loads due to their structure with three feed-through levels plus a PE connection
– To reduce the amount of wire used, the DLKB 2,5-PE can also be bridged in the middle and lower levels using the insertion bridges EB...DIK with up to 80 items

Notes:

[1]) The voltage is determined by the LED display (only for SLKK 5-LA...)





4 (4) mm², 34 A, three-level terminal block with PE foot

Technical data

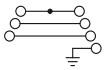
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**66.5**	**69.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		34	**500[1])**	**0.2 - 4** / **26-10**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500[1])	600	300 / -
Nominal current / cross section	[A] / [mm²]	34 / 4	30 / -	25 / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 10	26-10	28-12 / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

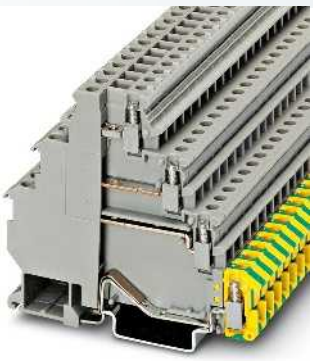
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with protective conductor foot, for mounting on NS 35...		gray	**SLKK 5**		**0461018**	50
Double-level terminal block, with protective conductor foot, for mounting on NS 35..., with LED display for 15–30 V AC/DC		gray	**SLKK 5-LA 24 RD/U-O**		**0461021**	50
With LED display for 30-60 V AC/DC		gray	**SLKK 5-LA 60 RD/U-O**		**0461034**	50
With LED display for 110-230 V AC/DC		gray	**SLKK 5-LA230**		**0461047**	50
Four-conductor terminal block, for mounting on NS 35...		gray				

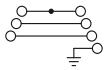
Accessories

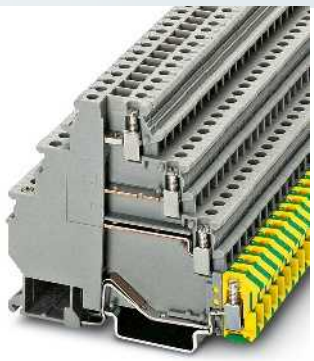
Cover, width 2.5 mm		gray	**D-UKK 3/5**		**2770024**	50
Spacer cover, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		gray	**DG-UKK 3/5**		**2770817**	50
Insertion bridge, for middle and lower levels, fully insulated						
	10	gray				
	10	red				
	10	blue				
	80	blue				
	80	red				
	80	white				
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	26 A	**0201155**	100
	3	gray	**EB 3- 6**	26 A	**0201142**	100
	10	gray	**EB 10- 6**	26 A	**0201139**	10
Fixed bridge, insulated						
	10	silver	**FBI 10- 6**	32 A	**0203250**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 6 (see Catalog 5)**			



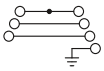


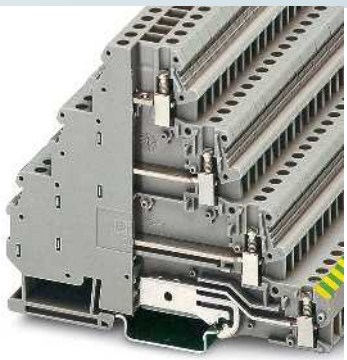
2.5 (4) mm², 26 A, four-level terminal block with PE foot





2.5 (4) mm², 26 A, four-level terminal block with PE foot





4 (6) mm², 34 A, four-level terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
26	**400**	**0.2 - 4**	**30-14**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DLKB 2,5-PE		**3011038**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
FBI 10- 6	26 A	**0203250**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
26	**400**	**0.2 - 4**	**30-14**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
-	-	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DLK 2,5-PE		**3011041**	50

Accessories

FBI 10- 6	26 A	**0203250**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**103.5**	**86.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
34	**400**	**0.2 - 6**	**30-10**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
400	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
24 - 10	30-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
-	-	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DLK 4-PE		**3011999**	50

Accessories

FBI 10- 6	30 A	**0203250**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

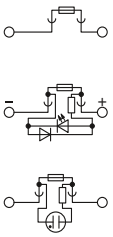
UK ...–HESI...N fuse/lever-type disconnect terminal blocks

– Compact, space-saving design
– Universal disconnect zone

Notes:

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.





4 (6) mm², 6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses

Technical data

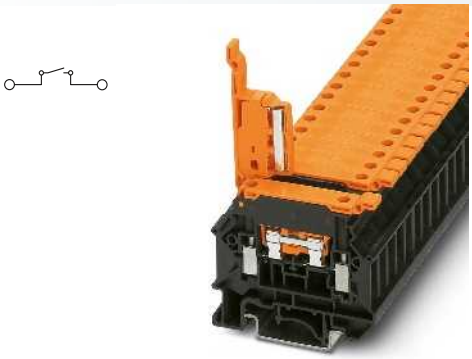
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**58**	**50**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**8.2**	**58**	**55**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		6.3²)	**500²)**	**0.2 - 6**	**-**
Rated data		IEC 60947-7-3 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500²)	-	-	-
Nominal current / cross section	[A] / [mm²]	6.3²) / 1.5	-	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 10	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	4	4	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

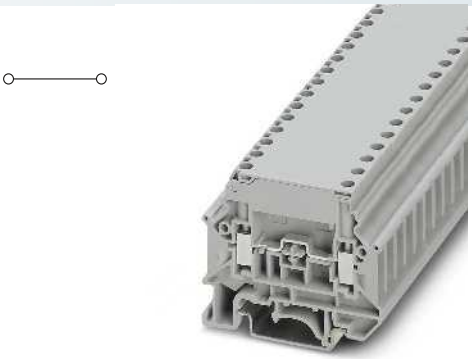
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for 5 x 20 cartridge fuse inserts		black	**UK 5-HESI N**		**3000539**	50
With LED display for 12 – 30 V AC/DC, 0.7 – 1.95 mA¹)		black	**UK 5-HESILED 24 N**		**3000540**	50
With LED display for 30 – 60 V AC/DC, 0.9 – 1.8 mA¹)		black	**UK 5-HESILED 60 N**		**3000541**	50
With LED display for 110–250 V AC/DC, 0.1–0.5 mA¹)		black	**UK 5-HESILA 250 N**		**3000542**	50
Lever-type disconnect terminal block, same shape as UK 5–HESI N		black/orange gray/orange				
Feed-through terminal block, for mounting on NS 35...		gray				

Accessories

Cover, width 2.2 mm		black	**D-UK 5-HESI N**		**3000543**	50
Insertion bridge, can be separated, fully insulated						
	2	gray	**EBS 2- 8**	14 A	**3118151**	100
	3	gray	**EBS 3- 8**	14 A	**3118148**	50
	10	gray	**EBS 10- 8**	14 A	**3118135**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			



4 (6) mm², 16 A, lever-type disconnect terminal block, same shape



4 (6) mm², 32 A, feed-through terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**58**	**50**	
Width	Length	Height NS 32	
8.2	**58**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
16	**500**	**0.5 - 6**	**26-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	-	-
16 / 1.5	16	-	-
4	-	-	-
20 - 10	26-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 4	0.5 - 4	0.5 - 2.5
0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	-
-	-	-	0.5 - 1.5
4	4	-	-
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-HEDI N		**3000564**	50
UK 5-HEDI N GY		**3000752**	50

Accessories

D-UK 5-HESI N		**3000543**	50
EBS 2- 8	14 A	**3118151**	100
EBS 3- 8	14 A	**3118148**	50
EBS 10- 8	14 A	**3118135**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**58**	**40.3**	
Width	Length	Height NS 32	
8.2	**58**	**45.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32	**800**	**0.2 - 6**	**20-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
24 - 10	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-MTD N		**3000562**	50

Accessories

D-UK 5-HESI N		**3000543**	50
EBS 2- 8	30 A	**3118151**	100
EBS 3- 8	30 A	**3118148**	50
EBS 10- 8	30 A	**3118135**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

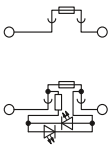
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Lever-type fuse terminal blocks UKK ...–HESI



- Safety lever locked in end position
- Large area for marking
- For 5 mm and 6.3 mm cartridge fuse inserts
- Versions with LED display

Notes:
For further technical notes on power dissipation, refer to page 616.
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.





4 (4) mm², 6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses

Technical data

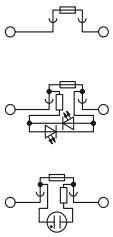
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**72.5**	**56.5**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**72.5**	**61.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		6.3²)	**500²)**	**0.2 - 4 / 26-10**
Rated data		IEC 60947-7-3 IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500²)	600	600 / -
Nominal current / cross section	[A] / [mm²]	6.3²) / 1	12 / -	6.3 / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	26-10	28-10 / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 4
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	4	- / -
General data				
Fuse type / dimensions	– / [mm]	G / 5 x 20 / 5 x 25 / 5 x 30		
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 and 5 x 30 mm		black	**UK 5-HESI**		**3004100**	50
With LED display for 12-30 V AC/DC		black	**UK 5-HESILED 24**		**3004126**	50
With LED display for 110-250 V AC/DC¹)		black	**UK 5-HESILA 250**		**3004142**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm.		black				
With LED display for 12-30 V AC/DC¹)		black				
With LED display for 110-250 V AC/DC¹)		black				

Accessories

Insertion bridge, can be separated, fully insulated	2	gray	**EBS 2- 8**	32 A	**3118151**	100
	3	gray	**EBS 3- 8**	32 A	**3118148**	50
	10	gray	**EBS 10- 8**	32 A	**3118135**	10
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		gray	**VS**		**3004207**	1
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 8 (see Catalog 5)**			
Lever marking						





16 (16) mm², 10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses

Technical data

Width	Length	Height NS 35/7,5	
10.2	**79**	**60.5**	
Width	Length	Height NS 32	
10.2	**79**	**65.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
10[2])	**500[2])**	**0.5 - 16**	**26-8**
IEC 60947-7-3			
IEC	UL	CSA	IEC/ EN 60079-7
500[2])	600	600	-
10[2]) / 1.5	10 / -	25 / -	-
16	-	-	-
20 - 6	26-8	26-8	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 6
10	10	-	-

G / 6,3 x 32
12
M4
1.2 - 1.5
PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 6,3-HESI		**3004171**	50
UK 6,3-HESILED 24		**3004265**	50
UK 6,3-HESILA 250		**3004249**	50

Accessories

EB 2-10	63 A	**0203153**	100
VS		**3004207**	1
SZS 1,0X4,0 VDE		**1205066**	10

ZB 10 (see Catalog 5)
ZB 8 (see Catalog 5)

Double-level terminal blocks with safety levers UKK ...–HESI

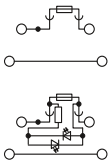
– Compact double-level fuse terminal block
– Safety levers and each terminal point can be individually marked
– For 5 mm and 6.3 mm cartridge fuse inserts
– Versions with LED display

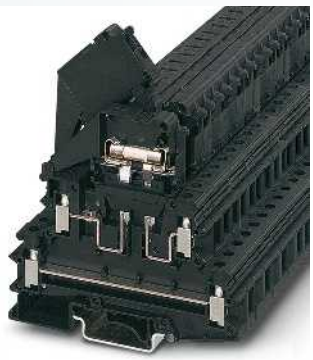
Notes:

For further technical notes on power dissipation, refer to page 616.

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.





4 (4) mm², 32 A, double-level terminal block with fuse lever for 5 x 20 mm cartridge fuse

Technical data

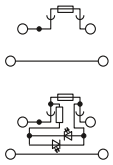
Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**86.5**	**79**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**86.5**	**84**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	322)	**400**2)	**0.2 - 4**	**26-10**
Rated data lower level	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400²)	600	300	-
Nominal current / cross section [A] / [mm²]	32²) / 4	30 / -	15	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 12	26-10	28-10	-
Rated data, upper level	IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400²)	600	300	-
Nominal current / cross section [A] / [mm²]	6.3²) / 1	15 / -	15	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 12	26-10	28-10	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge [mm²]	4	2.5	-	-
General data				
Fuse type / dimensions – / [mm]	G / 5 x 20			
Stripping length [mm]	8			
Screw thread	M3			
Tightening torque [Nm]	0.5 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20 mm.		black	**UKK 5-HESI (5X20)**		**3007204**	50
With LED display for 15–30 V AC/DC, 0.98–2.4 mA¹)		black	**UKK 5-HESILED 24 (5X20)**		**3026654**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm.		black				
With LED display for 12-30 V DC, 0.31-0.95 mA¹)		black				

Accessories

Fixed bridge, insulated	10	silver	**FBRI 10-8 N**	32 A	**2772080**	10
Insertion bridge, can be separated, fully insulated	2	gray	**EBS 2- 8**	32 A	**3118151**	100
	3	gray	**EBS 3- 8**	32 A	**3118148**	50
	10	gray	**EBS 10- 8**	32 A	**3118135**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 8 (see Catalog 5)**			
Lever marking			**ZBF 8 (see Catalog 5)**			





4 (4) mm², 32 A, double-level terminal block with fuse lever for 6.3 x 32 mm cartridge fuse

Technical data

Width	Length	Height NS 35/7,5	
8.2	**86.5**	**79**	
Width	Length	Height NS 32	
8.2	**86.5**	**84**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32[2])	**400[2])**	**0.2 - 4**	**26-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[2])	600	300	-
32[2]) / 4	30 / -	15	-
4	-	-	-
24 - 12	26-10	28-10	-
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[2])	600	300	-
10[2]) / 1.5	15 / -	15	-
4	-	-	-
24 - 12	26-10	28-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
G / 6,3 x 32			
8			
M3			
0.5 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5-HESI (6,3X32)		**3007217**	50
UKK 5-HESILED 24 (6,3X32)		**0711632**	50

Accessories

FBRI 10-8 N	32 A	**2772080**	10
EBS 2- 8	32 A	**3118151**	100
EBS 3- 8	32 A	**3118148**	50
EBS 10- 8	32 A	**3118135**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 8 (see Catalog 5)
ZBF 8 (see Catalog 5)

Fuse terminal blocks with screw cap UK 10-DREHSI

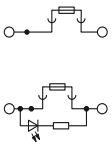
– Bridgeable with FBI ... fixed bridge
– Fuse terminal block with screw cap for 5 x 20, 5 x 25 or 6.3 x 32 mm fuse inserts
– Versions with LED display for indicating that a fuse has blown
– When selecting and using cartridge fuse terminal inserts, IEC 60127-6/ DIN EN 60127-6 should be observed
– UK 10-DREHSI/K is suitable for fuse inserts with indicator pins. The transparent screen on the screw cap allows the blown fuse to be quickly identified in these inserts.

Notes:

For further technical notes on power dissipation, refer to page 616.

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.





16 (16) mm², 10 A, fuse terminal block for 5 x 20 mm cartridge fuses

Technical data

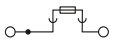
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**12**	**62**	**57.2**
Dimensions		Width	Length	Height NS 32
	[mm]	**12**	**62**	**62.2**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		10[2])	**500[2])**	**0.5 - 16** / **24-6**
Rated data		IEC 60947-7-3 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	10[2]) / 1.5	20 / -	20 / -	-
Rated cross section	[mm²]	16	-	-	-
Cross section range	AWG	20 - 6	24-6	22-6	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 4	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 10
Max. cross section with insertion bridge	[mm²]	10	10	-	-
General data					
Fuse type / dimensions	– / [mm]	G / 5 x 20			
Stripping length	[mm]	11			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25, 6.3 x 32 mm		black	**UK 10-DREHSI (5X20)**		**3005109**	50
.../K with indicator pin		black				
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 5 – 15 V DC[1])		black	**UK 10-DREHSILED 12 (5X20)**		**3005112**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 15 – 30 V DC[1])		black	**UK 10-DREHSILED 24 (5X20)**		**3005138**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 30 – 60 V DC[1])		black	**UK 10-DREHSILED 60 (5X20)**		**3005154**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 110 – 250 V DC[1])		black	**UK 10-DREHSILA 250 (5X20)**		**3005170**	50

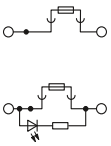
Accessories

Fixed bridge, insulated	10	silver	**FBI 10-12**	63 A	**0203454**	10
Insertion bridge, fully insulated	10	gray	**EB 10-12**	63 A	**3006137**	10
Test socket, for test connection with test plug PS		silver	**PSB 4/7/6**		**0303299**	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread		transparent	**PSBJ 4/15/6 FARBLOS**		**0303419**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove marking			**ZB 6 (see Catalog 5)**			





16 (16) mm², 10 A, fuse terminal block for 5 x 25 mm cartridge fuses with indicating pin





16 (16) mm², 10 A, fuse terminal block for 6.3 x 32 mm cartridge fuses

Technical data

Width	Length	Height NS 35/7,5	
12	**62**	**57.2**	
Width	Length	Height NS 32	
12	**62**	**62.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
10[2])	**500[2])**	**0.5 - 16**	**24-6**
IEC 60947-7-3			
IEC	UL	CSA	IEC/ EN 60079-7
500[2])	300	-	-
10[2]) / 1.5	20 / -	-	-
16	-	-	-
20 - 6	24-6	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 10
10	10	-	-
G / 5 x 25			
11			
M4			
1.5 - 1.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-DREHSI/K (5X25)		**3005688**	50

Accessories

FBI 10-12	63 A	**0203454**	10
EB 10-12	63 A	**3006137**	10
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 FARBLOS		**0303419**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
12	**62**	**57.2**	
Width	Length	Height NS 32	
12	**62**	**62.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
10[2])	**400[2])**	**0.5 - 16**	**24-6**
IEC 60947-7-3			
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	300	-
10[2]) / 1.5	20 / -	20 / -	-
16	-	-	-
20 - 6	24-6	22-6	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 10
10	10	-	-
G / 6,3 x 32			
11			
M4			
1.5 - 1.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-DREHSI (6,3X32)		**3005507**	50
UK 10-DREHSILED 24 (6,3X32)		**3005646**	50
UK 10-DREHSILA 250 (6,3X32)		**3005662**	50

Accessories

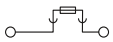
FBI 10-12	63 A	**0203454**	10
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 FARBLOS		**0303419**	10
SZS 1,0X4,0 VDE		**1205066**	10

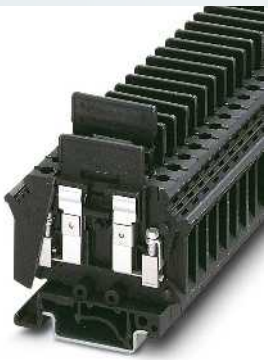
ZB 6 (see Catalog 5)

UK-SI and USIG fuse terminal blocks

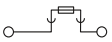
– In the case of the UK-SI fuse terminal block, the cartridge fuse-links are connected with the integrated connector in the terminal block

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.
For further technical notes on power dissipation, refer to page 616.
Attention: The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse inserts.
For more insertion bridges, visit phoenixcontact.net/products





4 (4) mm², 6.3 A, fuse terminal block for 5 x 20 mm and 5 x 25 mm cartridge fuses





16 (16) mm², 40 A, basic fuse terminal block for cartridge fuse plugs and isolating plugs

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**59.5**	**58**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**59.5**	**63**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	6.3²)	**400²)**	**0.2 - 4**	**28-12**
Rated data	IEC 60947-7-3 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400²)	300	250	-
Nominal current / cross section [A] / [mm²]	6.3²) / 1	10 / -	10 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 12	28-12	24-14	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5
General data				
Fuse type / dimensions – / [mm]	G / 5 x 20 / 5 x 25			
Stripping length [mm]	9			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data

Width	Length	Height NS 35/7,5		
10.2	**61**	**51.6**		
Width	Length	Height NS 32		
10.2	**61**	**56.6**		
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
40²)	**500²)**	**0.5 - 16**	**18-8**	
IEC 60947-7-3 IEC	UL	CSA	IEC/ EN 60079-7	
500²)	600	600	-	
10²) / 1.5	40 / -	40 / -	-	
16	-	-	-	
20 - 6	18-8	24-8	-	
Solid	Stranded	Ferrule without/with plastic sleeve		
0.5 - 16	0.5 - 16	0.5 - 16	0.5 - 10	
0.5 - 4	0.5 - 6	0.5 - 6	-	
-	-	-	0.5 - 6	
G / 5 x 20 / 5 x 25 / 5 x 30 / 6.3 x 32				
13				
M4				
1.5 - 1.8				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 mm		black	**UK-SI**		**3118012**	50
		blue	**UK-SI BU**		**3118096**	50
Basic fuse terminal block, for mounting on NS 32... or NS 35...		black				
		blue				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USIG		**0920083**	50
USIG BU		**0920122**	50

Accessories

Insertion bridge, insulated	10	gray	**EBS 10- 8**	32 A	**3118135**	10
Isolating plug						
Fuse plug, for G fuse inserts, 6.3 x 32 mm, nominal voltage 440 V		black				
Fuse plug, with LED display, for cartridge fuse inserts 6.3 x 32 mm, nominal voltage 440 V¹) for 15 – 30 V AC/DC, 3.2 – 7.5 mA		black				
for 110 – 250 V AC/DC, 0.1 – 0.9 mA		black				
Fuse plug, for cartridge fuse inserts 5 x 20, 5 x 25, 5 x 30 mm		black				
Fuse plug, for G fuse inserts 5 x 20, 5 x 25, 5 x 30 mm, with LED display for 15 – 30 V AC/DC, 3.2 – 7.5 mA, $I_{max.}$ 6,3 A¹)		black				
for 110 – 250 V AC/DC, 0.1 – 0.9 mA, $I_{max.}$ 6.3 A		black				
Separating disk, 0.8 mm wide		gray				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 8 (see Catalog 5)**			

Accessories

EB 10-10	76 A	**0203137**	10
ST-T	40 A	**0920216**	50
ST 1-SI	10 A	**0920326**	50
ST 1-SILED 24	10 A	**0920384**	50
ST 1-SILA 250	10 A	**0920397**	50
ST-SI	6.3 A	**0920229**	50
ST-SILED 24		**0920452**	50
ST-SILA250		**0920287**	50
ATS-GSK		**0304227**	50
SZS 1,0X4,0 VDE		**1205066**	10
ZB 10 (see Catalog 5)			

Fuse terminal block UK 6-FSI/C, for type C flat-type fuses



- Compact fuse terminal block for type C automatic flat-type fuses
- Available with LED display for rapid error diagnostics
- Bridgeable with FBI ... fixed bridge
- Large marking option of every terminal point
- Can be used as the basic terminal block for thermal circuit breaker TCP.../DC32V; see Catalog 6
- Type F auto flat-type fuse terminal blocks are also available in the section entitled "PT... push-in connection terminal blocks"



Notes:

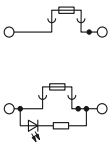
[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) For derating curve, visit phoenixcontact.net/products

[3]) The current and voltage are determined by the fuse.

For corresponding fuse inserts, see Catalog 6.

The recommended continuous load capacity of the fuse inserts according to DIN 72581/Part 3 is max. 80 percent of their nominal current (at an ambient temperature of 23°C)





6 (10) mm², 30 A, fuse terminal block for type C flat-type fuses

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**64**	**53.8**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**64**	**58.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		30[2])	**250[3])**	**0.2 - 10 / 26-8**
Rated data		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250[3])	300	32 / -
Nominal current / cross section	[A] / [mm²]	30[1]) / 4	30 / -	30 / - / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	24 - 8	26-8	26-8 / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6 / 0.25 - 4
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 4
General data				
Fuse type / dimensions	– / [mm]	C		
Stripping length	[mm]	10		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35...		black	**UK 6-FSI/C**		**3118203**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., with LED for 12 V DC, 1.7 mA[1])		black	**UK 6-FSI/C-LED12**		**3001925**	50
With LED display for 24 V DC, 1.9 mA[1])		black	**UK 6-FSI/C-LED24**		**3001938**	50

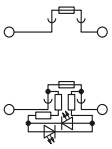
Accessories

Fixed bridge, insulated	10	silver	**FBI 10- 8**	34 A	**0203263**	10
Insertion bridge, fully insulated	2	gray	**EB 2- 8**	57 A	**0202154**	100
	3	gray	**EB 3- 8**	57 A	**0202141**	100
	4	gray	**EB 4- 8**	57 A	**0202142**	100
	10	gray	**EB 10- 8**	57 A	**0202138**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 8**	38 A	**0301534**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		**1303337**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove marking			**ZB 8 (see Catalog 5)**			

UKK ...-HESI lever-type fuse terminal blocks

– The UK ...-HESI fuse terminal blocks are used to accommodate fuse inserts that are mainly used in the USA
– 56-pos. insertion bridges and insertion bridges for three phases are available
– LED display indicates that a fuse has blown
– When selecting and using cartridge fuse terminal blocks and inserts, IEC 60127-6/ DIN EN 60127-6 should be adhered to

Notes:
For detailed information on applications and power dissipation data, see phoenixcontact.net/products
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.





16 (25) mm², 32 A, lever-type fuse terminal block for 10.3 x 38 mm midget fuses

Technical data

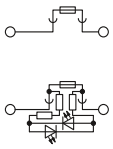
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		18	**81**	**65.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		32²)	**690²)**	**1.5 - 25** / **18-3**
Rated data		IEC 60947-1/-3 IEC	UL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	690²)	600	600 / -
Nominal current / cross section	[A] / [mm²]	32²) / 16	30 / -	30 / - / -
Rated cross section	[mm²]	16	-	- / -
Cross section range	AWG	16 - 4	18-3	18-3 / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	1.5 - 25	1.5 - 16	1.5 - 16 / 1.5 - 16
2 conductors (of the same type)	[mm²]	1.5 - 4	1.5 - 4	1.5 - 4 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 1.5 - 10
Max. cross section with insertion bridge	[mm²]	10	10	- / -
General data				
Fuse type / dimensions	– / [mm]	Midget / 10.3 x 38		
Stripping length	[mm]	12		
Screw thread		M5		
Tightening torque	[Nm]	2.5 - 3		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for 10.3 x 38 mm midget fuse inserts, 690 V AC/440 V DC		black	**UK 10,3-HESI N**		**3048386**	10
With LED display¹)		black	**UK 10,3-HESILED N 690**		**3048399**	10
Fuse terminal block, for mounting on NS 35..., for fuse inserts CLASS CC 10.3 x 38 mm		black				
		black				

Accessories

Insertion bridge, can be separated, insulated spine						
1-phase	2	gray	**EB 2-18**	76 A	**3009300**	50
1-phase	3	gray	**EB 3-18**	76 A	**3009305**	50
1-phase	56	gray	**EB 56-18**	76 A	**3009299**	5
3-phase	56	gray	**EB 56-18/L1-L2-L3**	76 A	**3009367**	5
Partition plate, 2 mm wide		gray	**TPN-UK**		**3003062**	10
Connection pin, for connecting several fuse terminal blocks, 2-pos.		black	**VS-UK 10,3-HESI N 2POL**		**3048532**	10
3-pos.		black	**VS-UK 10,3-HESI N 3POL**		**3048409**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Center groove marking			**ZBF 10 (see Catalog 5)**			





25 (25) mm², 30 A, lever-type fuse terminal block for CLASS CC 10.3 x 38 mm

Technical data

Width	Length	Height NS 35/7,5	
18	**81**	**65.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30[2])	**600[2])**	**1.5 - 25**	**-**

IEC	UL	CSA	IEC/ EN 60079-7
600[2])	-	600	-
32[2]) / 25	-	30 / -	-
25	-	-	-
16 - 4	-	18-4	-

Solid	Stranded	Ferrule without/with plastic sleeve	
1.5 - 25	1.5 - 25	1.5 - 16	1.5 - 16
1.5 - 4	1.5 - 4	1.5 - 4	-
-	-	-	1.5 - 10
10	10	-	-

Class CC
12
M5
2.5 - 3
PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10,3-CC HESI N		**3048580**	10
UK 10,3-CC HESILED N 600		**3048616**	10

Accessories

EB 2-18	76 A	**3009300**	50
EB 3-18	76 A	**3009305**	50
EB 56-18	76 A	**3009299**	5
EB 56-18/L1-L2-L3	76 A	**3009367**	5
TPN-UK		**3003062**	10
VS-UK 10,3-HESI N 2POL		**3048532**	10
VS-UK 10,3-HESI N 3POL		**3048409**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZBF 10 (see Catalog 5)

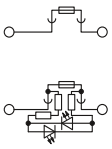
UK 10,3-HESI 1000V lever-type terminal blocks for photovoltaics

- Terminal blocks for protecting PV strings
- Particularly suitable for protecting monocrystalline and polycrystalline modules
- Suitable for standard 10.3 x 38 mm fuse inserts with gPV characteristic
- Electric strength up to 1000 V DC
- LED display indicates that a fuse has blown
- The spacers are used for improved heat dissipation, particularly when installing the fuse terminal blocks in compact control boxes

Fuses

- Special fuses with ultra-rapid PV characteristic (gPV)
- Use in PV strings with a nominal voltage of up to 1000 V DC
- Safe shutdown even in the event of short-circuit currents that are just above the nominal current

Notes:
For tools for stripping and crimping solar cables and connectors, see Catalog 5.
For disconnect terminal blocks with 1000 V and diode terminal blocks STME ... HV see page 195.
For detailed information on PV applications and power dissipation data, see phoenixcontact.net/products
For further fuse inserts with UL approval, see phoenixcontact.net/products
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.





25 (25) mm², 30 A, 1000 V, lever-type fuse terminal block for midget fuses 10.3 x 38 mm

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	18	81	65.5	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		30²)	1000²)	0.75 - 25	-
Rated data		IEC 60269-1/-2 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000²)	-	-	-
Nominal current / cross section	[A] / [mm²]	30²) / 16	-	-	-
Rated cross section	[mm²]	25	-	-	-
Cross section range	AWG	16 - 3	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	0.75 - 25	1.5 - 16	1.5 - 16
2 conductors (of the same type)	[mm²]	1.5 - 4	0.75 - 10	1.5 - 4	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 10
Max. cross section with insertion bridge	[mm²]	10	10	-	-
General data					
Fuse type / dimensions	– / [mm]	Midget / 10.3 x 38			
Stripping length	[mm]	11			
Screw thread		M5			
Tightening torque	[Nm]	2 - 2.5			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for midget fuse inserts 10.3 x 38 mm¹)		black	**UK 10,3-HESI 1000V**		**3211236**	10
With LED for 400 - 1000 V DC		black	**UK 10,3 HESILED 1000V**		**3211249**	10
Midget fuse, 10.3 x 38 mm, nominal current: 2 A		white				
Nominal current: 4 A		white				
Nominal current: 6 A		white				
Nominal current: 8 A		white				
Nominal current: 10 A		white				
Nominal current: 12 A		white				
Nominal current: 16 A		white				
Nominal current: 20 A		white				

Accessories

Insertion bridge, can be separated, insulated spine						
1-phase	2	gray	**EB 2-18**	76 A	**3009300**	50
1-phase	3	gray	**EB 3-18**	76 A	**3009305**	50
1-phase	56	gray	**EB 56-18**	76 A	**3009299**	5
Spacer for neighboring fuse terminal block		white	**DP-UK 10,3-HESI**		**3211238**	100
Partition plate, 2 mm wide		gray	**TPN-UK**		**3003062**	10
Connection pin, for connecting several fuse terminal blocks, 2-pos.		black	**VS-UK 10,3-HESI N 2POL**		**3048532**	10
3-pos.		black	**VS-UK 10,3-HESI N 3POL**		**3048409**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Center groove marking			**ZBF 16 (see Catalog 5)**			



10.3 x 38 mm midget fuse inserts, 2 A – 20 A

Technical data

Width	Length	Height NS 35/7,5	
10	**38**	**-**	
		Max. Ø [mm²]	AWG (UL)
		-	**-**
IEC 60269-6			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
-			
-			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
FUSE 10,3X38 2A PV	**3061295**	10
FUSE 10,3X38 4A PV	**3061305**	10
FUSE 10,3X38 6A PV	**3061318**	10
FUSE 10,3X38 8A PV	**3061321**	10
FUSE 10,3X38 10A PV	**3061334**	10
FUSE 10,3X38 12A PV	**3061347**	10
FUSE 10,3X38 16A PV	**3061350**	10
FUSE 10,3X38 20A PV	**3061363**	10

Accessories

UK screw connection - lever-type fuse terminal block for photovoltaics, 1500 V

Fuse terminal block

– Terminal block for protecting PV strings
– Particularly suitable for protecting monocrystalline and polycrystalline modules
– Suitable for standard 10.3 x 85 mm fuse inserts with gPV characteristic
– Electric strength up to 1500 V DC
– Generous marking options for the unique identification of lines

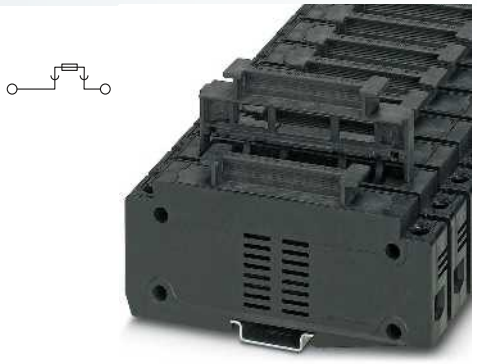
Fuses

– Special fuses with ultra-rapid PV characteristic (gPV)
– Use in PV strings with a nominal voltage of up to 1500 V DC
– Safe shutdown even in the event of short-circuit currents that are just above the nominal current

Diode terminal blocks

– For diode terminal blocks for protecting PV strings, see page 144

Notes:
The rated voltage is 1250 V and the maximum operating voltage is 1500 V.
Higher ambient temperatures are an additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.
For tools for stripping and crimping solar cables and connectors, see Catalog 5.
For detailed information on applications and power dissipation data, see phoenixcontact.net/products
1) The current and voltage are determined by the fuse.
2) Maximum operating voltage 1500 V.



25 (25) mm², 32 A, 1500 V, lever-type fuse terminal block

EAC

Technical data

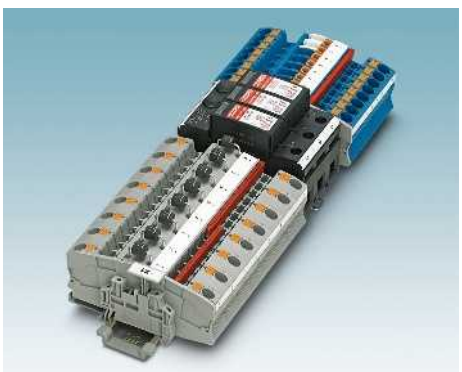
Dimensions					
	[mm]	Width	Length	Height NS 35/7,5	
		23	**130**	**65.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		32 1)	**1500 2)**	**0.75 - 25**	**-**
Rated data		IEC 60269-1/-2 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1500 2)	-	-	-
Nominal current / cross section	[A] / [mm²]	32 1) / 16	-	-	-
Rated cross section	[mm²]	25	-	-	-
Cross section range	AWG	18 - 3	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	0.75 - 25	1.5 - 16	1.5 - 16
2 conductors (of the same type)	[mm²]	1.5 - 4	0.75 - 10	1.5 - 4	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 10
General data					
Fuse type / dimensions	– / [mm]	gG / gPV / 10.3 x 85			
Stripping length	[mm]	11			
Screw thread		M5			
Tightening torque	[Nm]	2.5 - 2.5			
Insulating material		PA			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for 10 x 85 mm cartridge fuse inserts	black	**UK 10,3-HESI 1500V**	**3062760**	5
Midget fuse, 10.3 x 85 mm, 1500 V, nominal current: 2 A	white			
Nominal current: 4 A	white			
Nominal current: 6 A	white			
Nominal current: 8 A	white			
Nominal current: 10 A	white			
Nominal current: 12 A	white			
Nominal current: 16 A	white			
Midget fuse, 10.3 x 85 mm, 1200 V, nominal current: 20 A	white			
Nominal current: 25 A	white			

Accessories

Partition plate, 2 mm wide	gray	**TPN-UK**	**3003062**	10
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Center groove marking		**EML (16,5X5)R (see Catalog 5)**		





Fuse insert, 10.3 x 85 mm, 2 - 16 A, 1500 V



Fuse insert, 10.3 x 85 mm, 20 - 25 A, 1200 V

Technical data

Width	Length	Height NS 35/7,5	
10	**85**	**-**	
	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	1500	**-**	**-**
IEC 60269-6			
IEC	UL	CSA	IEC/ EN 60079-7
1500	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
-			
-			

Ordering data

Type	Order No.	Pcs. / Pkt.
FUSE 10,3X85 2A PV	**3062766**	10
FUSE 10,3X85 4A PV	**3062767**	10
FUSE 10,3X85 6A PV	**3062768**	10
FUSE 10,3X85 8A PV	**3062769**	10
FUSE 10,3X85 10A PV	**3062770**	10
FUSE 10,3X85 12A PV	**3062771**	10
FUSE 10,3X85 16A PV	**3062772**	10

Accessories

Technical data

Width	Length	Height NS 35/7,5	
10	**85**	**-**	
	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	1200	**-**	**-**
IEC 60269-6			
IEC	UL	CSA	IEC/ EN 60079-7
1200	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
-			
-			

Ordering data

Type	Order No.	Pcs. / Pkt.
FUSE 10,3X85 20A PV	**3062773**	10
FUSE 10,3X85 25A PV	**3062774**	10

Accessories

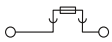
Fuse terminal blocks for NEOZED® fuse-links USEN...

– These fuse terminal blocks are designed for NEOZED® fuses
– The NEOZED® system features an impressive high current-carrying capacity

Notes:

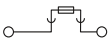
1) Current carrying capacity of the insertion bridges in the case of center infeed: 120 A

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35 (35) mm², 16 A, fuse terminal block for NEOZED D 01 (E14)





35 (35) mm², 63 A, fuse terminal block for NEOZED D 02 (E18)

Technical data

Dimensions		Width	Length	Height	
	[mm]	**27**	**82.7**	**71.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		16	**400**	**1.5 - 35**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	16 / 35	-	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	16 - 2	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
2 conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 10
Max. cross section with insertion bridge	[mm²]	25	25	-	-
General data					
Fuse type / dimensions	– / [mm]	D 01 / E 14			
Stripping length	[mm]	19			
Screw thread		M6			
Tightening torque	[Nm]	3.5 - 4			
Insulating material		Duroplast			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height	
	[mm]	**27**	**84**	**75**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		63	**400**	**1.5 - 35**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	63 / 35	-	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	16 - 2	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
2 conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 10
Max. cross section with insertion bridge	[mm²]	25	25	-	-
General data					
Fuse type / dimensions	– / [mm]	D 02 / E 18			
Stripping length	[mm]	19			
Screw thread		M6			
Tightening torque	[Nm]	3.5 - 4			
Insulating material		Duroplast			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse element, incl. screw cap, for mounting on NS 35...						
		light gray	**USEN 14 N**		**3048357**	10

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USEN 18 N		**3048360**	10

Accessories

Insertion bridge, can be separated, insulated spine						
1-phase	36	gray	**EB 36-27**	65 A[1])	**3009341**	1
3-phase	36	gray	**EB 36-27/L1-L2-L3**	65 A[1])	**3009354**	1
NEOZED® special spring, or use of fuse inserts D 01 in screw caps D 02 (on request), for 2 - 16 A		silver				
NEOZED® fuse inserts according to DIN 49522 400 V AC / 250 V DC		pink	**S 2 A/380 V**		**0913016**	10
		brown	**S 4 A/380 V**		**0913029**	10
		green	**S 6 A/380 V**		**0913032**	10
		red	**S 10 A/380 V**		**0913045**	10
		gray	**S 16 A/380 V**		**0913058**	10
		blue				
		yellow				
		black				
		white				
		copper-colored				
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
Marker carrier, SS-ZB contactor marking Zack marker strip		black	**MA 20X 8 BK**		**0814270**	100
Marker tags, 5-section, unprinted, marking with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label		white	**SS-ZB WH**		**5031171**	50
Lettering field size: 20 x 8 mm		yellow	**SS-ZB YE**		**5031650**	50

Accessories

Type	I_{max}	Order No.	Pcs. / Pkt.
EB 36-27	65 A[1])	**3009341**	1
EB 36-27/L1-L2-L3	65 A[1])	**3009354**	1
SH-SE 14/18		**0913317**	50
S 2 A/380 V		**0913016**	10
S 4 A/380 V		**0913029**	10
S 6 A/380 V		**0913032**	10
S 10 A/380 V		**0913045**	10
S 16 A/380 V		**0913058**	10
S 20 A/380 V		**0913061**	10
S 25 A/380 V		**0913074**	10
S 35 A/380 V		**0913087**	10
S 50 A/380 V		**0913090**	10
S 63 A/380 V		**0913100**	10
SZS 1,0X6,5 VDE		**1205079**	10
MA 20X 8 BK		**0814270**	100
SS-ZB WH		**5031171**	50
SS-ZB YE		**5031650**	50

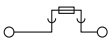
Fuse terminal blocks for DIAZED® fuse inserts USED ...



- This fuse terminal block accommodates DIAZED® fuses
- The major advantage of the DIAZED® system is its electric strength of up to 500 V
- Original DIAZED®-E 27 threads are used in closed housings
- Conductor cross sections of up to 35 mm² can be connected with the convenient spring-cage connection

Notes:

NEOZED® and DIAZED® are registered trademarks of Siemens AG.





35 (35) mm², 25 A, fuse terminal block for DIAZED D II (E27)

Technical data

Dimensions		Width	Length	Height	
	[mm]	**40**	**80**	**62.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		25	**500**	**1.5 - 35**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	25 / 35	-	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	16 - 2	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
2 conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 10
Max. cross section with insertion bridge	[mm²]	25	25	-	-
General data					
Fuse type / dimensions	– / [mm]	D II / E 27			
Stripping length	[mm]	19			
Screw thread		M6			
Tightening torque	[Nm]	3.5 - 4			
Insulating material		Duroplast			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Fuse element, incl. screw cap, for mounting on NS 35...				
	light gray	**USED 27 N**	**3048373**	5

Accessories

DIAZED® fuse inserts according to DIN 49360 and DIN 49515 500 V AC / 250 V DC	pink	**S-II- 2 A/500 V**	**0913605**	5
	brown	**S-II- 4 A/500 V**	**0913618**	5
	green	**S-II- 6 A/500 V**	**0913621**	5
	red	**S-II-10 A/500 V**	**0913634**	5
	gray	**S-II-16 A/500 V**	**0913647**	5
	blue	**S-II-20 A/500 V**	**0913650**	5
	yellow	**S-II-25 A/500 V**	**0913663**	5
Screwdriver		**SZS 1,0X6,5 VDE**	**1205079**	10
Marker carrier, SS-ZB contactor marking Zack marker strip	black	**MA 20X 8 BK**	**0814270**	100
Marker tags, 5-section, unprinted, marking with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label	white	**SS-ZB WH**	**5031171**	50
Lettering field size: 20 x 8 mm	yellow	**SS-ZB YE**	**5031650**	50

Disconnect terminal blocks



- Disconnect terminal block with universal disconnect zone for accommodating fuse plugs, component connectors, and isolating plugs
- Overall width of just 6.2 mm
- The terminal blocks are available in different basic forms
- Mini-strip terminal blocks MBK 5
- Universal terminal blocks UK 5 N
- Double terminal blocks UDK 4
- Double-level terminal blocks UKK 5

Notes:

Three or four-conductor basic actuator terminal blocks DOK 1,5–TG, DOKD 1,5–TG and VIOK 1,5–D/TG/D/PE with disconnect function can be found on page 387 onwards.

For fuse, component and isolating plugs, see page 412.

[1]) The current and voltage are determined by the component and fuse plug.





4 (4) mm², 16 A, disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**28**	**-**
Dimensions		Width	Length	Height NS 15
	[mm]	**6.2**	**28**	**36**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**28**	**-**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		16[1])	**500[1])**	**0.2 - 4**	**28-12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	300	300	
Nominal current / cross section	[A] / [mm²]	16 / 4	20 / -	15 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
Rated data, upper level		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	1.5	1.5		
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

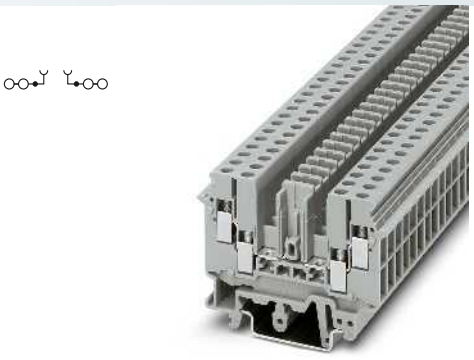
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Basic terminal block, for component and fuse plugs		gray	**MBK 5/E-TG**		**1415089**	50
Basic terminal block, with test socket screws on both sides		gray				

Accessories

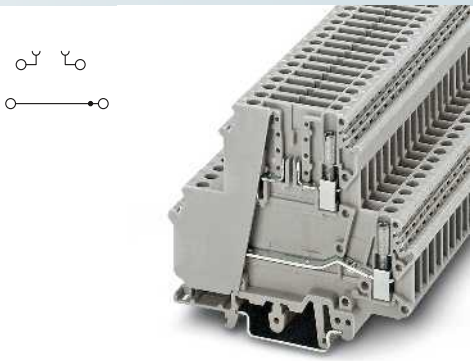
Cover, width 1 mm		gray	**D-MBK 5/E-T**		**1413706**	50
Cover, width 1.8 mm		gray				
Cover, width 1.5 mm		gray				
Fixed bridge, insulated	10	silver				
Insertion bridge, insulated	2	gray	**EB 2- 6**	16 A	**0201155**	100
	3	gray	**EB 3- 6**	16 A	**0201142**	100
	10	gray	**EB 10- 6**	16 A	**0201139**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Partition plate, 1.5 mm wide		gray				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking						



4 (4) mm², 16 A, disconnect terminal block



4 (6) mm², 16 A, disconnect terminal block



4 (4) mm², 16 A, double-level terminal block with disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 15	
6.2	**42.5**	**-**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
16[1])	**500[1])**	**0.2 - 4**	**28-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[1])	600	600	
16 / 4	20 / -	15 / -	-
4	-	-	-
24 - 12	28-12	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
1.5	1.5		
9			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 4-TG		**2812018**	50
UK 4-TG-P/P		**2812034**	50

Accessories

D-UK 4/10		**3003020**	50
EB 2- 6	16 A	**0201155**	100
EB 3- 6	16 A	**0201142**	100
EB 10- 6	16 A	**0201139**	10
ATP-UK		**3003224**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 15	
6.2	**63.5**	**-**	
Width	Length	Height NS 32	
6.2	**63.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
16[1])	**400**	**0.2 - 6**	**30-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	
16 / 4	15 / -	- / -	-
4	-	-	-
24 - 10	30-12	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
2.5	2.5		
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UDK 4-TG		**2777014**	50

Accessories

D-UDK-RELG		**2777027**	50
FBI 10- 6	16 A	**0203250**	10
EB 2- 6	16 A	**0201155**	100
EB 3- 6	16 A	**0201142**	100
EB 10- 6	16 A	**0201139**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**80**	**68.5**	
Width	Length	Height NS 15	
6.2	**80**	**-**	
Width	Length	Height NS 32	
6.2	**80**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
26	**400[1])**	**0.2 - 4**	**26-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[1])	300	300	
26 / 4	25 / -	15 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 4	15 / -	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5-TG		**3007042**	50

Accessories

FBI 10- 6	26 A	**0203250**	10
EB 2- 6	22 A	**0201155**	100
EB 3- 6	22 A	**0201142**	100
EB 10- 6	22 A	**0201139**	10
ISSBI 10- 6	26 A	**0301505**	10
IS-K 4		**1302338**	100
SZG 0,6X3,5 VDE		**1205121**	10

ZB 6 (see Catalog 5)

Connectors for disconnect terminal blocks in the UK series

– The fuse plug ST-SI-UK 4 for 5 x 20 mm cartridge fuse inserts is available with and without a LED display
– The component connector ST–BE is available as an individual connector for two-pos. components and as a double connector

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A
3) With single arrangement.
4) Integrated: Rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A



Fuse plug for 5 x 20 mm cartridge fuses



Component connector for 2 and 4-pos. components

Technical data

Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	6.3	6.3 / -	10 / -	-
Rated cross section	[mm²]	-	-	-	-
Cross section range	AWG	-	-	-	-
General data					
Tightening torque	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

		IEC	UL	CSA	IEC/ EN 60079-7
		-	300	-	-
		16	10 / -	-	-
		-	-	-	-
		-	30-14	-	-
		0.5 - 0.6			
		PA			
		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Fuse plug, for cartridge fuse inserts 5 x 20 mm, 26.5 mm high, max 6.3 A	black	**ST-SI-UK 4**	**0921011**	50
Fuse plug, for cartridge fuse inserts, 5 x 20 mm, 26.5 mm high, max. 6.3 A, with LED display, for 5-15 V AC/DC[1])	black	**ST-SILED 12-UK 4**	**0921024**	50
With LED for 15-30 V AC/DC	black	**ST-SILED 24-UK 4**	**0921037**	50
With LED for 30-60 V AC/DC	black	**ST-SILED 60-UK 4**	**0921040**	50
With LED for 110-250 V AC/DC	black	**ST-SILA250-UK 4**	**0921053**	50
Component connector, for switching on 2-pos. components into the basic terminal block, fixing at screw terminal points, 19 mm high, max 16 A[3])	gray			
Component connector, to connect 2-pos. components into the basic terminal block, 19 mm high, with LED for 24 V AC/DC	gray			
With LED for 230 V AC/DC	gray			
Component connector, to connect 2-pos. components into the basic terminal block, with diode 1N 4007, 19 mm high[2])	gray			
Component plug, for 4-pos. components, two basic terminal blocks required per plug, 19 mm high	gray			
Component plug, for 4-pos. components, two basic terminal blocks required per plug, with bridge rectifier B 250 C 1500, 19 mm high[4])	gray			
Isolating plug, 13.5 mm high, max. 16 A	gray			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST-BE	**2802316**	10
ST-BE-LA 24	**2802374**	10
ST-BE-LA230	**2802387**	10
ST-1N4007	**2802329**	10
ST-BE-VP	**2802332**	10
ST-B250C1500	**2802345**	10
ST-K 4	**5025462**	50

Accessories

Plug pliers, simplify removing the isolating plug from a closed row of terminal blocks			

Accessories

TZ	**0306704**	10

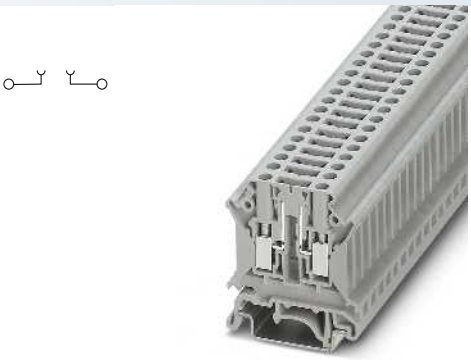
Center groove marking

ZB 6 (see Catalog 5)

Disconnect terminal block, isolating and fuse plugs

– Compact, space-saving design
– Universal disconnect zone

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) Observe max. load current.
3) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
4) Current and voltage are determined by the plug used.
For corresponding function plugs, see phoenixcontact.net/products.



4 (6) mm², 16 A, disconnect terminal block



Function plug for universal disconnect zone

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**6.2**	**42.5**	**47**		
Dimensions	Width	Length	Height NS 32		
[mm]	**6.2**	**42.5**	**52**		
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
	16[4])	**500[4])**	**0.2 - 6**	**-**	
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	500[4])	-	-	-	
Nominal current / cross section [A] / [mm²]	16[4]) / 1.5	-	-	-	
Rated cross section [mm²]	4	-	-	-	
Cross section range AWG	24 - 10	-	-	-	
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve		
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5	
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5	
Max. cross section with insertion bridge [mm²]	4	4	-	-	
General data					
Stripping length [mm]	8				
Screw thread	M3				
Tightening torque [Nm]	0.6 - 0.8				
Insulating material	PA				
Inflammability class according to UL 94	V0				

Technical data

Width	Length	Height NS 35/7,5		
3.5	**10.8**	**-**		
Width	Length	Height NS 32		
3.5	**10.8**	**-**		
$I_{max.}$ [A]		Max. Ø [mm²]	AWG (UL)	
20		**-**	**-**	
IEC	UL	CSA	IEC/ EN 60079-7	
-	-	-	-	
-	-	15 / -	-	
-	-	-	-	
-	-	-	-	
Solid	Stranded	Ferrule without/with plastic sleeve		
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-				
-				
-				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35 DIN rail		gray	**UK 5 N-TG**		**3000604**	50
Isolating plug[2])		orange				
Feed-through connector[2])		gray				
Component connector, marked with ZBF 5 or UC–TMF 5[3])		gray				
Fuse plug, width 5.2 mm[1])		black				
With LED for 12-30 V DC, 0.31-0.95 mA		black				
for 30–60 V AC/DC, 0.40–0.86 mA		black				
for 110–250 V AC/DC, 0.41–0.96 mA		black				
Fuse plug, width 8.2 mm		black				
With LED for 12-30 V DC, 0.31-0.95 mA		black				
for 30–60 V AC/DC, 0.40–0.86 mA		black				
for 110–250 V AC/DC, 0.41–0.96 mA		black				

Ordering data

Type	Order No.	Pcs. / Pkt.
P-DI	**3036783**	50
P-FIX	**3038956**	50
P-CO	**3036796**	10
P-FU 5X20-5	**3209235**	10
P-FU 5X20 LED 24	**3036819**	10
P-FU 5X20 LED 60	**3036822**	10
P-FU 5X20 LA 250	**3036835**	10
P-FU 6,3X32	**3046498**	10
P-FU 6,3X32 LED 24	**3046508**	10
P-FU 6,3X32 LED 60	**3046511**	10
P-FU 6,3X32 LA 250	**3046524**	10

Accessories

Cover, width 1.8 mm		gray	**D-UK 4/10**	**3003020**	50
Insertion bridge, insulated					
	2	gray	**EB 2- 6** 16 A	**0201155**	100
	3	gray	**EB 3- 6** 16 A	**0201142**	100
	10	gray	**EB 10- 6** 16 A	**0201139**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove marking			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**		

Accessories

Component connector, BES 6



- Advantageous when adding any 2-pos. components, such as diodes or varistors, between two neighboring feed-through terminal blocks at a later date
- Is supplied as a set with two sockets
- The sockets are screwed into the center thread of the feed-through terminal blocks. They are of different lengths, which determines the correct functional direction (corresponds to the vertically offset multiple-spring wire plugs) and prevents confusion later on
- If several BES 6 connectors are fitted next to each other, separating disks should be provided between the pairs of terminal blocks in order to prevent incorrect plugging
- To insert the components, the upper half of the housing is lifted, thus exposing the plug pins for soldering
- Versions are available with a LED display or diode. These serve as a protective circuit for DC loads

The plugs can be used with the terminal blocks:

- MBK 5: Dimension a = 64 mm on DIN rail NS 15
- MBK 5/E-Z: Dimension a = 68 mm on DIN rail NS 15
- UK 5 N: Dimension a = 75 mm on DIN rail NS 35/7,5
- UKK 5: Dimension a = 92 mm on DIN rail NS 35/7,5
- UKKB 5: Dimension a = 92 mm on DIN rail NS 35/7,5
- UVKB 4: Dimension a = 76 mm on DIN rail NS 35/7,5

Notes:

[1]) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A



Component connector

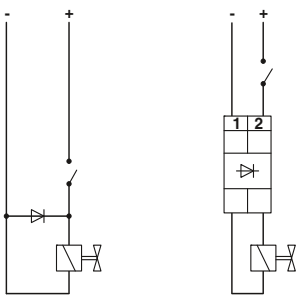
EAC

Technical data

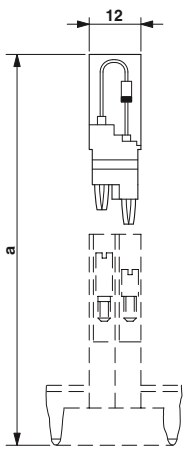
General data	
Insulating material	PA
Inflammability class according to UL 94	V2

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Component connector, complete, for connection of components between two neighboring feed-through terminal blocks	gray	**BES 6**	**2802549**	10
Component connector, complete, for connection of components between two neighboring feed-through terminal blocks, with diode 1N 4007[1])	gray	**BES 6-1N4007**	**2802552**	10
Component connector, with LED display, 15 – 30 V DC	gray	**BES 6-LA 24**	**2802565**	10
Component connector, with LED display, 110–250 V AC/DC	gray	**BES 6-LA230**	**2802578**	10



Freewheeling diode with feed-through terminal blocks and BES 6

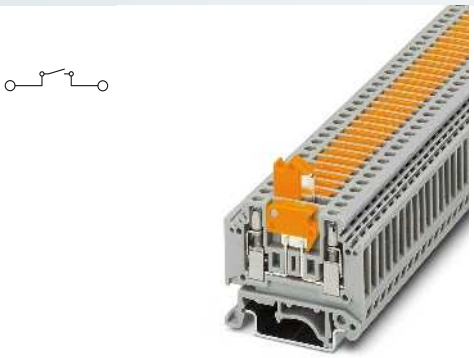


Design: BES 6

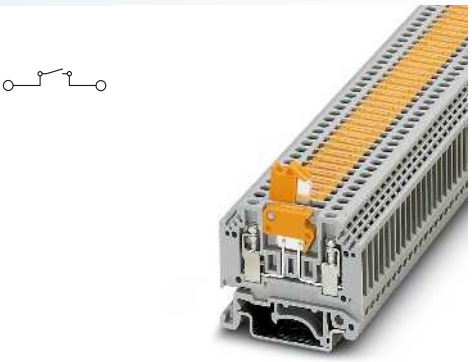
MTK ... knife disconnect terminal blocks

For maintenance work or rapid troubleshooting, these disconnect terminal blocks are used in measurement and control technology systems:

– Convenient disconnect knife operation
– Space-saving design
– High current-carrying capacity up to 16 A
– Versions with integrated test socket screws



2.5 (4) mm², 16 A, knife disconnect terminal block with test socket screw



2.5 (4) mm², 16 A, knife disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**46**	**51.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**46**	**56.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		16	**400**	**0.2 - 4**	**28-12**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	10 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5	-	-
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**46**	**51.5**	
		Width	Length	Height NS 32	
	[mm]	**5.2**	**46**	**56.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		16	**400**	**0.2 - 4**	**28-12**
		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
		400	300	300	-
		16 / 2.5	10 / -	15 / -	-
		2.5	-	-	-
		24 - 12	28-12	28-12	-
		Solid	Stranded	Ferrule without/with plastic sleeve	
		0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
		0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
		-	-	-	0.5 - 1.5
		4	2.5	-	-
		7			
		M3			
		0.5 - 0.6			
		PA			
		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides		gray	**MTK-P/P**		**3104013**	50
		blue	**MTK-P/P BU**		**3104097**	50
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with screw connection on both sides		gray				
		blue				
Feed-through terminal block, without disconnect knife, with test socket screws		gray				
With screw connection		gray				
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		gray				
		blue				
Without test socket screws		gray				
Knife disconnect terminal block, for mounting on NS 35...		gray				

Ordering data

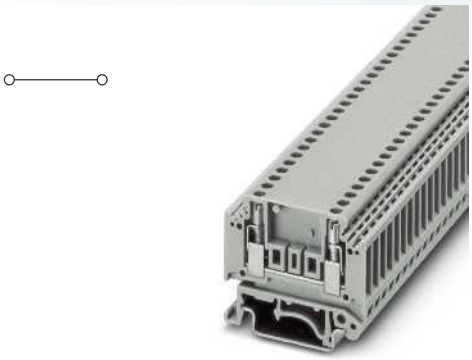
Type	I_{max}	Order No.	Pcs. / Pkt.
MTK		**3101016**	50
MTK BU		**3101197**	50

Accessories

Cover, width 1 mm		gray	**D-MTK**		**3101029**	50
		blue	**D-MTK BU**		**3101090**	50
Insertion bridge, insulated						
	2	gray	**EBL 2- 5**	12 A	**2303145**	10
	3	gray	**EBL 3- 5**	12 A	**2303158**	10
	10	gray	**EBL 10- 5**	12 A	**2303132**	10
Partition plate, for visual and electrical separation of terminal groups, 1.0 mm thick		gray	**ATS-MTK**		**3101223**	50
Screwdriver			**SZG 0,6X3,5 VDE**		**1205121**	10
Lateral groove marking			**ZB 5 (see Catalog 5)**			

Accessories

D-MTK		**3101029**	50
D-MTK BU		**3101090**	50
EBL 2- 5	12 A	**2303145**	10
EBL 3- 5	12 A	**2303158**	10
EBL 10- 5	12 A	**2303132**	10
ATS-MTK		**3101223**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 5 (see Catalog 5)			



2.5 (4) mm², 16 A, feed-through terminal block, with test socket screw

Technical data

Width	Length	Height NS 35/7,5	
5.2	**46**	**51.5**	
Width	Length	Height NS 32	
5.2	**46**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
16	**400**	**0.2 - 4**	**28-12**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	600	-
16 / 2.5	10 / -	20 / -	-
2.5	-	-	-
24 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
7			
M3			
0.5 - 0.6			
PA			
V0			

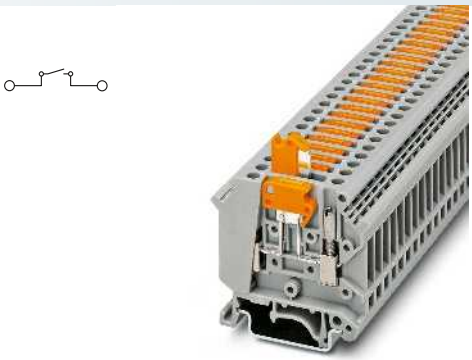
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MTKD-P/P		**3100020**	50
MTKD		**3100017**	50

Accessories

D-MTK		**3101029**	50
D-MTK BU		**3101090**	50
EBL 2- 5	12 A	**2303145**	10
EBL 3- 5	12 A	**2303158**	10
EBL 10- 5	12 A	**2303132**	10
ATS-MTK		**3101223**	50
SZG 0,6X3,5 VDE		**1205121**	10

ZB 5 (see Catalog 5)



4 (6) mm², 16 A, knife disconnect terminal block with test socket screw

Technical data

Width	Length	Height NS 35/7,5	
6.2	**51**	**58.5**	
Width	Length	Height NS 32	
6.2	**51**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
16	**500**	**0.2 - 6**	**22-12**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	300	-
16 / 2.5	15 / -	15 / -	-
4	-	-	-
24 - 10	22-12	18-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

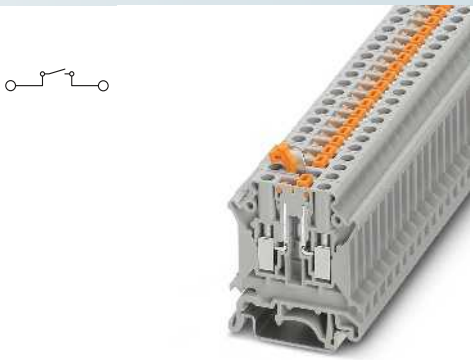
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-MTK-P/P		**3004032**	50
UK 5-MTK-P/P BU		**3004058**	50
UK 5-MTK		**3004430**	50

Accessories

D-UK 4/10		**3003020**	50
EB 2- 6	12 A	**0201155**	100
EB 3- 6	12 A	**0201142**	100
EB 10- 6	12 A	**0201139**	10
ATP-UK 5-MTK		**3004210**	50
SZG 0,6X3,5 VDE		**1205121**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)



4 (6) mm², 16 A, knife disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**48.7**	
Width	Length	Height NS 32	
6.2	**42.5**	**53.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
16	**500**	**0.2 - 6**	**20-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	-	-
16 / 1.5	15 / -	-	-
4	-	-	-
24 - 10	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5 N-MT		**3000563**	50

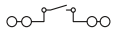
Accessories

D-UK 4/10		**3003020**	50
D-UK 4/10 BU		**3003101**	50
EB 2- 6	16 A	**0201155**	100
EB 3- 6	16 A	**0201142**	100
EB 10- 6	16 A	**0201139**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

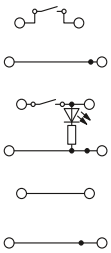
Knife disconnect terminal blocks

– Convenient disconnect knife operation
– Closed housing of double-level terminal blocks
– The disconnect knife on the associated level is characterized by a slight vertical offset
– Space-saving design just 6.2 mm wide





4 (6) mm², 16 A, knife disconnect terminal block, 4 connections, with test socket screw





4 (4) mm², 12 A, double-level knife disconnect terminal block with test socket screw

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.5**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.5**	**52**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	16	**630**	**0.2 - 6**	**30-10**
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	630	600	600	-
Nominal current / cross section [A] / [mm²]	16 / 4	15 / -	15 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	30-10	22-10	-
Rated data, upper level	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	-	-	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
2 conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1
Max. cross section with insertion bridge [mm²]	2.5	2.5	-	-
General data				
Stripping length [mm]	8			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Technical data

Width	Length	Height NS 35/7,5		
6	**80**	**68**		
Width	Length	Height NS 32		
6	**80**	**73**		
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
26	**400**	**0.2 - 4**	**26-12**	
IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7	
400	300	300	-	
26 / 4	-	15 / -	-	
4	-	-	-	
24 - 12	26-12	22-12	-	
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
12 / 4	-	-	-	
Solid	Stranded	Ferrule without/with plastic sleeve		
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
-	-	-	0.5 - 1.5	
-	-	-	-	
8				
M3				
0.6 - 0.8				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides		gray	**UDK 4-MTK-P/P**		**2775210**	50
		blue	**UDK 4-MTK-P/P BU**		**2775223**	50
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		gray				
Double-level terminal block, for mounting on NS 32... or NS 35..., with disconnect knife and LED display for 12 V DC		gray				
Double-level terminal block, for mounting on NS 32... or NS 35..., with two through contacts, without LED display		gray				

Ordering data

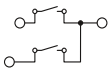
Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5-MTK-P/P		**2800004**	50
UKK 5-MTK-P/P-LA 24RD/O-U		**2800020**	50
UKK 5-MTKD-P/P		**2800017**	50

Accessories

Cover, width 1.5 mm		gray	**D-UDK 4**	**2775113**	50
		blue	**D-UDK 4 BU**	**2775197**	50
Fixed bridge, insulated	10	silver			
Insertion bridge, insulated	2	gray	**EB 2- 6** 12 A	**0201155**	100
	3	gray	**EB 3- 6** 12 A	**0201142**	100
	10	gray	**EB 10- 6** 12 A	**0201139**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove marking			**ZB 6 (see Catalog 5)**		

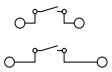
Accessories

FBI 10- 6	22 A	**0203250**	10	
SZG 0,6X3,5 VDE		**1205121**	10	
ZB 6 (see Catalog 5)				



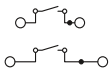


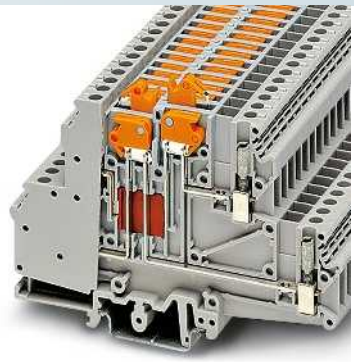
4 (4) mm², 8 A, feed-through terminal block, 3 connections, with two disconnect knives, test socket screw





4 (4) mm², 8 A, double-level terminal block, one disconnect knife per level, test socket screw





4 (4) mm², 8 A, double-level terminal block, one disconnect knife and bridge shaft per level, test socket screw

Technical data

Width	Length	Height NS 35/7,5	
6.2	**76.5**	**68.5**	
Width	Length	Height NS 32	
6.2	**76.5**	**73.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
8	**400**	**0.2 - 4**	**26-12**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	300	-
8 / 4	8 / -	8 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
8 / 4	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDMTK 5-TWIN-P/P	**3101126**	50
UDMTK 5-TWIN-P/P BU	**3101139**	50

Accessories

SZG 0,6X3,5 VDE	**1205121**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**93**	**68.5**	
Width	Length	Height NS 32	
6.2	**93**	**73.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
10	**400**	**0.2 - 4**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	-	300	-
10 / 4	-	15 / -	-
4	-	-	-
24 - 12	-	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
8 / 4	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDMTK 5-P/P	**3101087**	50
UDMTK 5-P/P BU	**3101113**	50

Accessories

SZG 0,6X3,5 VDE	**1205121**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**106**	**68.5**	
Width	Length	Height NS 32	
6.2	**106**	**73.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
10	**400**	**0.2 - 4**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	-	-	-
10 / 4	-	-	-
4	-	-	-
24 - 12	-	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
8 / 4	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UDMTKB 5-P/P		**3024478**	50

Accessories

FBI 10- 6	10 A	**0203250**	10
SZG 0,6X3,5 VDE		**1205121**	10

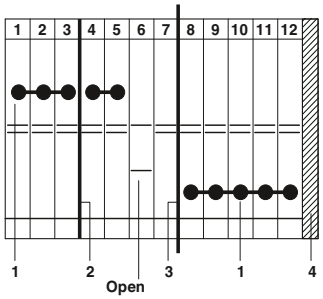
ZB 6 (see Catalog 5)

Slide-type terminal block UGSK/S
Test disconnect terminal block URTK/SS



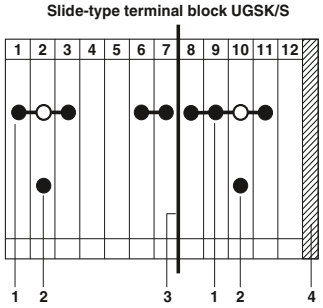
– Simple and clear testing in current transformer secondary circuits can be undertaken with the slide-type terminal block UGSK/S for cross switching
– Measurement equipment or protective relays can be individually activated with the aid of bridges and slides
– For this purpose, the slides make contact with the switching jumper depending on the switching task
– The URTK/SS allow the transformer test circuits to be designed in a very compact and clear way

Knife disconnect terminal block URTK/SS



	Type	Order no.
1	FBRNI 10-6	2770626
2	TS-URTK/SS	0321213
3	ATS-URTK/SS	0321226
4	D-URTK/SS	0321022

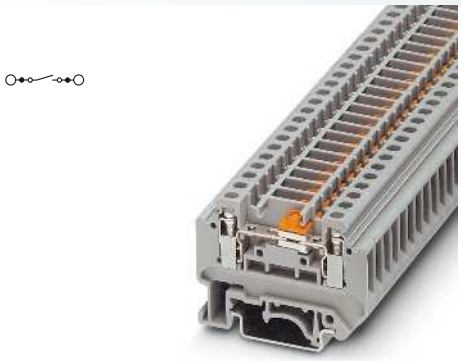
Slide-type terminal block UGSK/S



	Type	Order no.
1	FB 10-GSK/S	0305174
2	GS-GSK/S	0305116
3	ATS-GSK	0304227
4	D-UGSK	0304023

Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
2 stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Insulating material	
Inflammability class according to UL 94	

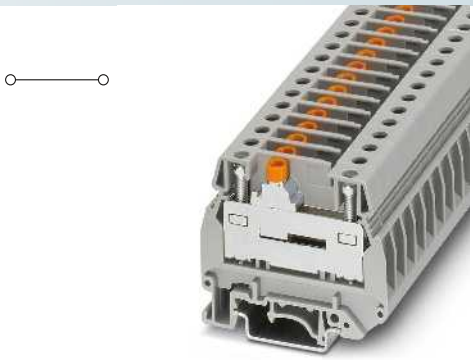
Description	No. of pos.	Color
Measurement/disconnect terminal block, for mounting on NS 32... or NS 35...		gray
with test sockets		gray
Slide terminal block, for mounting on NS 32... or NS 35...		gray
Without slide		gray
Cover, width 1 mm		gray
Cover, width 2.2 mm		gray
Fixed bridge, for cross connections on both sides of the disconnect point, can be separated, with 10 screws	10	silver
Slide, for switchable connection along with FB 10-GSK/S or FB-GSK		silver
Separating plate, for separation of neighboring bridges in terminal center, width 0.8 mm		gray
Separating disk, 0.8 mm wide		gray
Slide with a test socket, insulated, for the UGSK/S terminal block, M3.5 thread		transparent
		white
		red
		blue
		yellow
		green
		violet
		gray
		black
Screwdriver		
Lateral groove marking		



4 (4) mm², 26 A, test disconnect terminal block



4 (4) mm², 26 A, test disconnect terminal block with test sockets



6 (10) mm², 57 A, slide-type terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56.5**	**40**	
Width	Length	Height NS 32	
6.2	**56.5**	**45**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
26	**400**	**0.2 - 4**	**28-12**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	300	-
26 / 4	20 / -	25 / -	-
4	-	-	-
24 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
7			
M3 / 0.6 - 0.8			
M2,6 / 0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/SS		**0321019**	50

Accessories

D-URTK/SS		**0321022**	50
FBRNI 10-6 N	26 A	**2770626**	10
TS-URTK/SS		**0321213**	50
ATS-URTK/SS		**0321226**	100
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56.5**	**40**	
Width	Length	Height NS 32	
6.2	**56.5**	**45**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
26	**400**	**0.2 - 4**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	-	-	-
26 / 4	-	-	-
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
7			
M3 / 0.6 - 0.8			
M2,6 / 0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
URTK/SS-PSB	**3056608**	50

Accessories

D-URTK/SS		**0321022**	50
TS-URTK/SS		**0321213**	50
ATS-URTK/SS		**0321226**	100
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**61**	**53.5**	
Width	Length	Height NS 32	
8.2	**61**	**58.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**500**	**0.5 - 10**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
41 / 6	-	-	-
6	-	-	-
20 - 8	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 1.5	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 4
11			
M4 / 1.5 - 1.8			
M2,6 / 0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UGSK/S + GS		**0313085**	50
UGSK/S		**0305080**	50

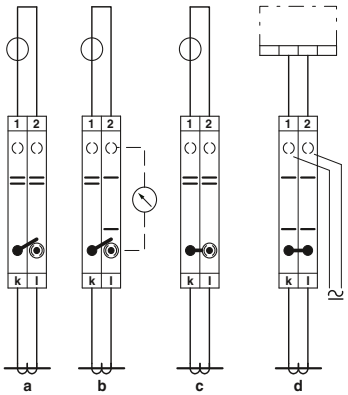
Accessories

D-UGSK		**0304023**	50
FB 10- GSK/S	43 A	**0305174**	10
GS-GSK/S		**0305116**	100
TS-GSK		**0304214**	50
ATS-GSK		**0304227**	50
PSBJ-GSK/S FARBLOS		**0305394**	10
PSBJ-GSK/S WH		**0305310**	10
PSBJ-GSK/S RD		**0305323**	10
PSBJ-GSK/S BU		**0305336**	10
PSBJ-GSK/S YE		**0305349**	10
PSBJ-GSK/S GN		**0305352**	10
PSBJ-GSK/S VT		**0305365**	10
PSBJ-GSK/S GY		**0305378**	10
PSBJ-GSK/S BK		**0305381**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 8 (see Catalog 5)

Meas. transducer Test disconnect terminal block URTK/S...



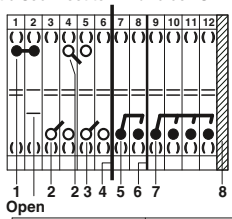


– Easy and clear testing in current transformer secondary circuits can be performed using the test disconnect terminal blocks of the URTK/S range
– On both sides of the disconnect point, the terminal block has a test socket which can also be used to switch across to neighboring terminal blocks
– The URTK/S–BEN ... terminal blocks are provided with test socket screws for test plugs with a 4 mm diameter

– All switching tasks with two terminal blocks per current transformer core can be implemented with the URTK/S and URTK/S–BEN 10 test disconnect terminal blocks

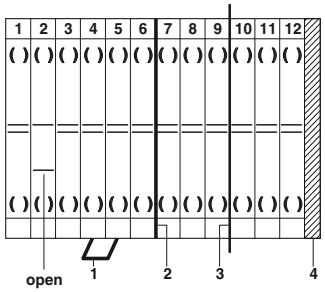
a Normal operation
b Measurement checking
c Transformer short circuit
d Relay checking

Test disconnect terminal block URTK/S



	Type	Order no.
1	FB 10-RTK/S	0311171
2	USB 2-RTK/S	0311278
3	ASB 2-RTK/S	0311281
4	ATS-RTK	0310224
5	SB 2-RTK/S	0311236
6	TS-RTK	0310211
7	SB 4-RTK/S	0311265
8	D-URTK	0310020

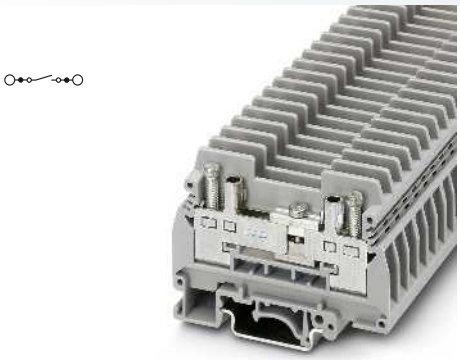
URTK/S-BEN 10 test disconnect terminal block



	Type	Order No.
1	EB 2-8	0202154
2	TS-RTK-BEN	0308210
3	ATS-RTK-BEN	0308223
4	D-URTK/S-BEN	0308029

Dimensions		
		[mm]
Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm²]
Rated cross section		[mm²]
Cross section range		AWG
Connection capacity		
1 conductor		[mm²]
2 conductors (of the same type)		[mm²]
2 stranded conductors with a TWIN ferrule		[mm²]
Max. cross section with insertion bridge		[mm²]
General data		
Stripping length		[mm]
Terminal point: thread / torque		- / [Nm]
Disconnect slide: thread / torque		- / [Nm]
Insulating material		
Inflammability class according to UL 94		

Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35...		gray
Cover, width 2.2 mm		gray
Insertion bridge, fully insulated		
	2	gray
	3	gray
	4	gray
	10	gray
Fixed bridge, for cross connections on both sides of the disconnect point, can be separated, with 10 screws		
	10	silver
Switching jumper for two terminal blocks, usable for both sides of the disconnect point, with 2 screws		
Inward switching	2	silver
Outward switching	2	silver
Switch bar for 2 terminal blocks, with 2 screws		
	2	silver
Switching jumper, for 3-phase short-circuiting of of linked current transformer sets, with 4 screws		
	4	silver
Separating plate, for electrical separation of neighboring bridges at the terminal center		gray
Partition plate, for visual and electrical separation of terminal groups		gray
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Screwdriver		
Lateral groove marking		



6 (10) mm², 57 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**72**	**51.5**	
Width	Length	Height NS 32	
8.2	**72**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**400**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	300	-
41 / 6	50 / -	40 / -	-
6	-	-	-
20 - 8	26-8	26-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 2.5	0.5 - 6	0.5 - 4	-
-	-	-	0.5 - 4
-	-	-	-
13			
M4 / 1.2 - 1.5			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/S		**0311087**	50

Accessories

D-URTK		**0310020**	50
EB 2- 8	41 A	**0202154**	100
EB 3- 8	41 A	**0202141**	100
EB 4- 8	41 A	**0202142**	100
EB 10- 8	41 A	**0202138**	10
FB 10- RTK/S	41 A	**0311171**	10
USB 2-RTK/S	35 A	**0311278**	10
ASB 2-RTK/S	35 A	**0311281**	10
SB 2-RTK/S	35 A	**0311236**	10
SB 4-RTK/S	35 A	**0311265**	10
TS-RTK		**0310211**	50
ATS-RTK		**0310224**	50
S		**0308359**	100
SZS 1,0X4,0 VDE		**1205066**	10

ZB 8 (see Catalog 5)



10 (16) mm², 76 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**61**	**58.5**	
Width	Length	Height NS 32	
8.2	**61**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
76	**500**	**0.5 - 16**	**26-8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	600	-
57 / 10	50 / -	55 / -	-
10	-	-	-
20 - 6	26-8	26-8	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 10	0.5 - 6	0.5 - 4	-
-	-	-	0.5 - 4
10	10	-	-
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/S-BEN 10		**0309109**	50

Accessories

D-URTK/S-BEN		**0308029**	50
EB 2- 8	41 A	**0202154**	100
EB 3- 8	41 A	**0202141**	100
EB 4- 8	41 A	**0202142**	100
EB 10- 8	41 A	**0202138**	10
TS-RTK-BEN		**0308210**	50
ATS-RTK-BEN		**0308223**	100
SZG 0,9X6,5 VDE		**1205134**	10

ZB 8 (see Catalog 5)

UK 6-T test disconnect terminal blocks

– Easy and clear testing in the current transformer secondary circuits can be performed using the UK 6-T test disconnect terminal block
– Compact design
– Switching jumpers with and without test sockets

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:
For more test sockets, visit phoenixcontact.net/products



6 (10) mm², 57 A, disconnect terminal block, with test sockets

Technical data

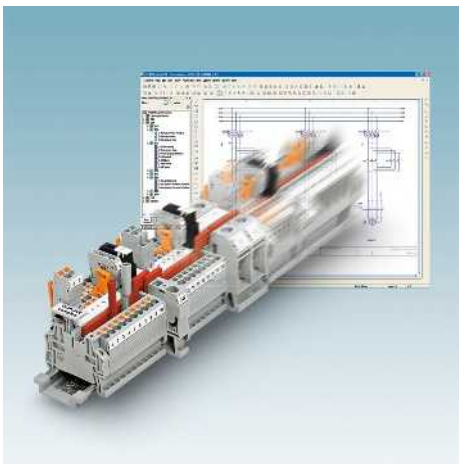
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**66.5**	**48**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**66.5**	**53**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		57	**500**	**0.5 - 10** / **26-8**
Rated data		IEC 60947-7-1 IEC	UL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	600	- / -
Nominal current / cross section	[A] / [mm²]	41 / 6	30	- / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	20 - 8	26-8	- / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6 / 0.5 - 6
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 4	0.5 - 2.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 4
General data				
Stripping length	[mm]	10		
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.6		
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8		
Torque: Test socket, fixed bridge, switch bar	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, with test sockets		gray	**UK 6-T-P**		**3072800**	50
Disconnect terminal block		gray				
Feed-through terminal block		gray				

Accessories

Cover, width 2.2 mm		gray	**D-UK 6-T**		**3072802**	50
Fixed bridge, 10-pos.	10	silver	**SCBI 10-8,15**	24 A	**3245134**	10
Isolator bridge bar, 10-pos.	10	silver	**SCBI 10-8,15 ISO**	24 A	**3000417**	10
Switching jumper	2	orange	**SB 6-T 2-8**	32 A	**3075842**	10
	3	orange	**SB 6-T 3-8**	32 A	**3075843**	10
	4	orange	**SB 6-T 4-8**	32 A	**3075844**	10
Switching jumper, complete with test sockets	2	orange	**SBP-TB 6-T 2-8**	32 A	**3070321**	10
	3	orange	**SBP-TB 6-T 3-8**	32 A	**3070322**	10
	4	orange	**SBP-TB 6-T 4-8**	32 A	**3070323**	10
Test socket		silver	**TPS 3/20/5**		**3246586**	10
Test socket, for test connection with test plug PS		orange	**PSBJ 6-T OG**		**3070320**	10
Modular test plug housing, marking with ZBF 8		red	**PS-8/2,3MM RD**		**3048564**	10
4 mm Ø		silver	**MPS-MT/ 4MM**		**3048577**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		**0311540**	10
4-pos.		black	**KSS 4- 8**		**0309549**	10
Screwdriver			**SF-SL 0,8X4,0-100 S-VDE**		**1212588**	10
Lateral groove marking			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			



new



6 (10) mm², 57 A, disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66.5**	**48**	
Width	Length	Height NS 32	
8.2	**66.5**	**53**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**500**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	-	-
41 / 6	30	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.5 - 1.6			
M3 / 0.6 - 0.8			
-			
PA			
V0			

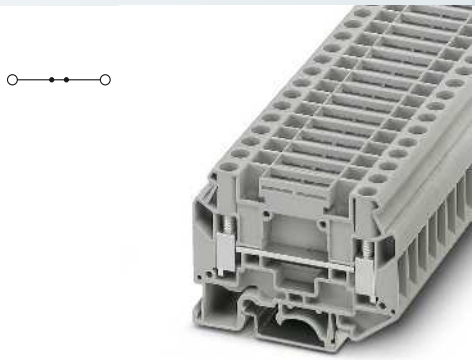
Ordering data

Type	Order No.	Pcs. / Pkt.
UK 6-T	**3072803**	50

Accessories

D-UK 6-T	**3072802**	50
SCBI 10-8,15	**3245134**	10
SCBI 10-8,15 ISO	**3000417**	10
SB 6-T 2-8	**3075842**	10
SB 6-T 3-8	**3075843**	10
SB 6-T 4-8	**3075844**	10
SBP-TB 6-T 2-8	**3070321**	10
SBP-TB 6-T 3-8	**3070322**	10
SBP-TB 6-T 4-8	**3070323**	10
TPS 3/20/5	**3246586**	10
PSBJ 6-T OG	**3070320**	10
PS-8/2,3MM RD	**3048564**	10
MPS-MT/ 4MM	**3048577**	10
KSS 8	**0311540**	10
KSS 4- 8	**0309549**	10
SF-SL 0,8X4,0-100 S-VDE	**1212588**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)



6 (10) mm², 57 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66.5**	**48**	
Width	Length	Height NS 32	
8.2	**66.5**	**53**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**800**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	-	-
41 / 6	30	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.5 - 1.6			
- / -			
0.6 - 0.8			
PA			
V0			

Ordering data

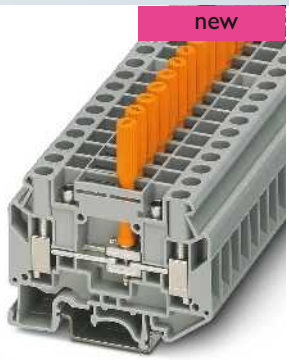
Type	I_{max}	Order No.	Pcs. / Pkt.
UKD 6		**3072801**	50

Accessories

D-UK 6-T		**3072802**	50
SCBI 10-8,15	24 A	**3245134**	10
SCBI 10-8,15 ISO	24 A	**3000417**	10
SB 6-T 2-8	32 A	**3075842**	10
SB 6-T 3-8	32 A	**3075843**	10
SB 6-T 4-8	32 A	**3075844**	10
SBP-TB 6-T 2-8	32 A	**3070321**	10
SBP-TB 6-T 3-8	32 A	**3070322**	10
SBP-TB 6-T 4-8	32 A	**3070323**	10
TPS 3/20/5		**3246586**	10
PSBJ 6-T OG		**3070320**	10
PS-8/2,3MM RD		**3048564**	10
MPS-MT/ 4MM		**3048577**	10
KSS 8		**0311540**	10
KSS 4- 8		**0309549**	10
SF-SL 0,8X4,0-100 S-VDE		**1212588**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

new



6 (10) mm², 57 A, disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66.5**	**66**	
Width	Length	Height NS 32	
8.2	**66.5**	**71**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**500**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	-	-
41 / 6	30	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.5 - 1.6			
- / -			
-			
PA			
V0			

Ordering data

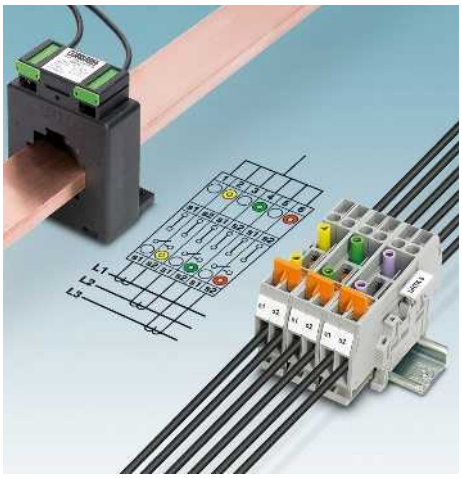
Type	I_{max}	Order No.	Pcs. / Pkt.
UK 6-TK-P		**3072804**	50

Accessories

D-UK 6-T		**3072802**	50
SCBI 10-8,15	24 A	**3245134**	10
SCBI 10-8,15 ISO	24 A	**3000417**	10
TPS 3/20/5		**3246586**	10
PSBJ 6-T OG		**3070320**	10
PS-8/2,3MM RD		**3048564**	10
MPS-MT/ 4MM		**3048577**	10
KSS 8		**0311540**	10
KSS 4- 8		**0309549**	10
SF-SL 0,8X4,0-100 S-VDE		**1212588**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

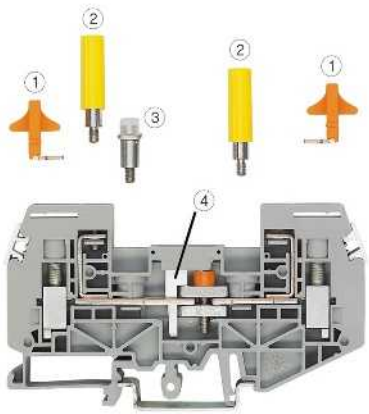
Test disconnect terminal blocks and slide-type terminal blocks URTK 6 / UGSK 6

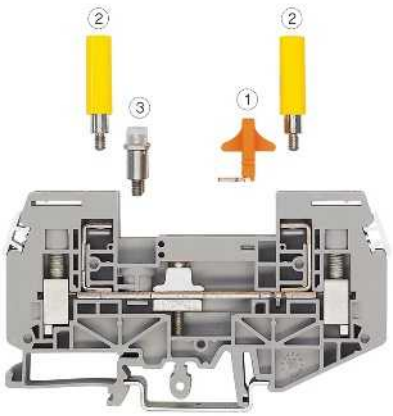




– The URTK 6 test disconnect terminal block and the UGSK 6 slide-type terminal block were developed specifically for use in current transformer secondary circuits
– Can be fitted on both sides with fixed and switchable bridges as well as test sockets with a 4 mm diameter

– The extensive range of accessories of the URTK 6 test disconnect terminal blocks with spring connection can also be used for the SRTK 6 screw connections terminal blocks with screw connection.
– For more information and technical data on the spring connection versions, see page 198





– Only two URTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① SB... switch bar
② 4 mm Ø test sockets PSBJ–URTK 6...
③ Fixed bridge for cross connection FBRI 10–8 N
④ Switching lock S–URTK/SP

– Several measuring devices or protective relays can be connected individually using the UGSK 6 slide-type terminal block
– The slide can be connected with the switch bar depending on the switching tasks.

① SB... switch bar
② 4 mm Ø test sockets PSBJ–URTK 6...
③ Fixed bridge for cross connection FBRI 10–8 N

Notes:

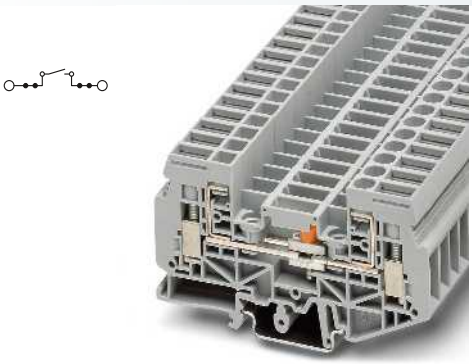
For other test sockets, see page 505.

For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.

Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
2 stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Torque: Test socket, fixed bridge, switch bar	[Nm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35 ... and NS 32 ...		gray
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray
Cover, width 2 mm		gray
Switching jumper, complete		
	2	orange
	3	orange
	4	orange
	10	orange
for bridging between non-adjacent terminals	10	orange
Fixed bridge, insulated		
	10	silver
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black
4-pos.		black
Test socket, insulated		transparent
		blue
		yellow
		green
		violet
Screwdriver, for the terminal point		
Screwdriver, for the test plug socket		

Lateral groove marking



6 (10) mm², 57 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
Width	Length	Height NS 32	
8.2	**91**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**400**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.2 - 1.4			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

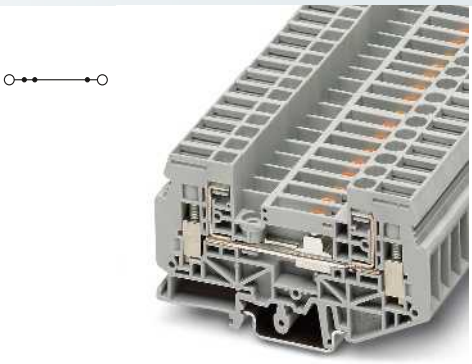
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK 6		**3026272**	50

Accessories

D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
S-URTK/SP		**0311155**	50
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
SZS 1,0X4,0 VDE		**1205066**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)



6 (10) mm², 57 A, slide-type terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
Width	Length	Height NS 32	
8.2	**91**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**400**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.2 - 1.4			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

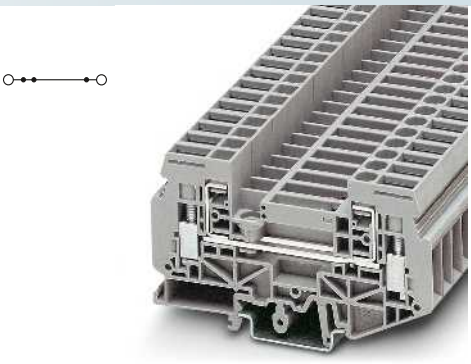
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UGSK 6		**3026285**	50

Accessories

D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
SZS 1,0X4,0 VDE		**1205066**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)



6 (10) mm², 57 A, feed-through terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
Width	Length	Height NS 32	
8.2	**91**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**400**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.2 - 1.4			
- / -			
0.6 - 0.8			
PA			
V0			

Ordering data

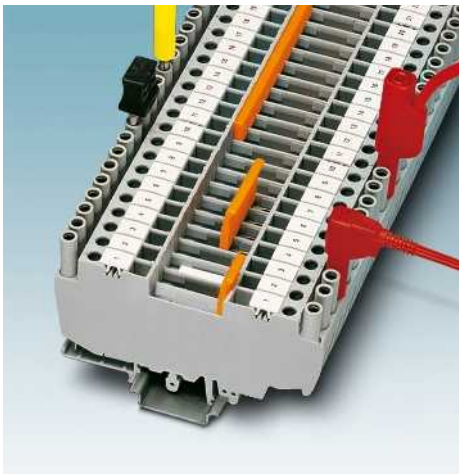
Type	I_{max}	Order No.	Pcs. / Pkt.
URDK 6		**3026706**	50

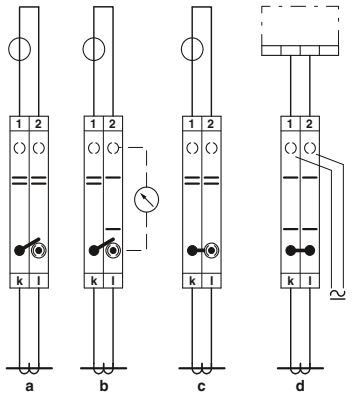
Accessories

D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
SZS 1,0X4,0 VDE		**1205066**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Test disconnect terminal blocks URTK/SP



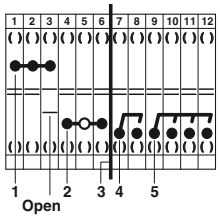


– Test disconnect terminal block URTK/SP should be used for all measurement and test work in the current transformer secondary circuits
– The terminal blocks can be equipped with fixed and switchable bridges on both sides
– Touch-proof test sockets with 4 mm diameter are already permanently integrated
– The URTKD/SP can be used as a feed-through terminal block of the same shape without a disconnect function

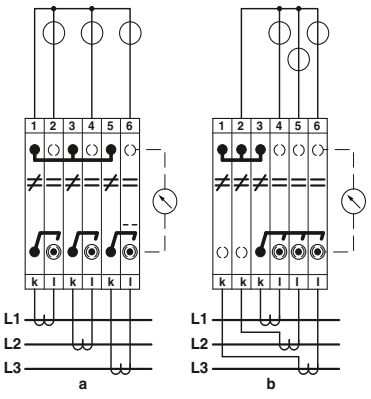
– The URTK/SP test disconnect terminal block and the SB 2–URTK/SP 2-pos. switching jumper can be used to perform all switching tasks per current transformer core

a Normal operation
b Measurement checking
c Transformer short circuit
d Relay checking

Test terminal block URTK/SP



	Type	Order no.
1	FBI 10-8	0202263
	FB 10-URTK/SP	0311663
2	ISSBI 10-8	0301534
	+ IS-K 10	1303337
3	ATP-URTK/SP	0311139
4	SB 2-URTK/SP	0360012
5	SB 4-URTK/SP	0360025



Circuit example

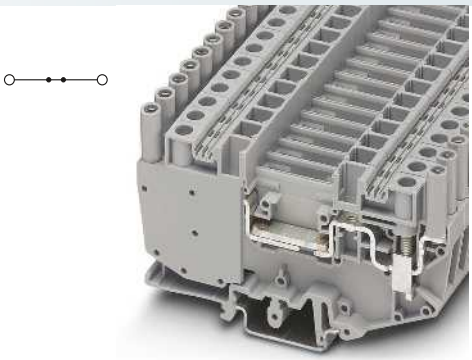
a Three-phase current transformer set
b Linked three-phase current transformer set

Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
2 stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35 ... and NS 32 ...		gray
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray
Fixed bridge, insulated	10	silver
Fixed jumper, for cross connections on both sides of the disconnect point, insulated, can be separated, with 10 screws	10	silver
Switching jumper for 2 terminal blocks, for use on both sides of the disconnect point, inward switching movement, with 2 screws	2	silver
	4	silver
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Partition plate, 2 mm width		gray
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black
4-pos.		black
Screwdriver		
Lateral groove marking		



6 (10) mm², 50 A, test disconnect terminal block



6 (10) mm², 50 A, feed-through terminal block, same shape



Short-circuit plug

CCA

Technical data			
Width	Length	Height NS 35/7,5	
8.2	**99.5**	**59**	
Width	Length	Height NS 32	
8.2	**99.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
50	**500**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	300	300	-
41 / 6	45 / -	45 / -	-
6	-	-	-
20 - 8	26-8	26-8	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data			
Type	I_{max}	**Order No.**	Pcs. / Pkt.
URTK/SP		**0311126**	50

Accessories			
FBI 10- 8	50 A	**0203263**	10
FB 10- URTK/SP	50 A	**0311663**	10
SB 2-URTK/SP	35 A	**0360012**	10
SB 4-URTK/SP	35 A	**0360025**	10
ISSBI 10- 8	35 A	**0301534**	10
IS-K 10		**1303337**	100
S-URTK/SP		**0311155**	50
ATP-URTK/SP		**0311139**	10
SZS 1,0X4,0 VDE		**1205066**	10
ZB 8 (see Catalog 5)			

EAC

Technical data			
Width	Length	Height NS 35/7,5	
8.2	**99.5**	**59**	
Width	Length	Height NS 32	
8.2	**99.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
50	**500**	**0.5 - 10**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	-	-	-
41 / 6	-	-	-
6	-	-	-
20 - 8	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
11			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Ordering data			
Type	I_{max}	**Order No.**	Pcs. / Pkt.
URTKD/SP		**0311142**	50

Accessories			
FBI 10- 8	50 A	**0203263**	10
FB 10- URTK/SP	50 A	**0311663**	10
SB 2-URTK/SP	35 A	**0360012**	10
SB 4-URTK/SP	35 A	**0360025**	10
ISSBI 10- 8	35 A	**0301534**	10
IS-K 10		**1303337**	100
ATP-URTK/SP		**0311139**	10
SZS 1,0X4,0 VDE		**1205066**	10
ZB 8 (see Catalog 5)			

EAC

Technical data			
Width	Length	Height NS 35/7,5	
16.2	**11**	**-**	
Width	Length	Height NS 32	
16.2	**11**	**-**	
		Max. Ø [mm²]	AWG (UL)
		-	**-**
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-			
- / -			
- / -			
PA-F			
V0			

Ordering data		
Type	**Order No.**	Pcs. / Pkt.

Accessories		
KSSI 2-8	**3000722**	10
KSSI 4-8	**3000735**	10

Screw connection test disconnect terminal block with UK 4-SD test isolating plug

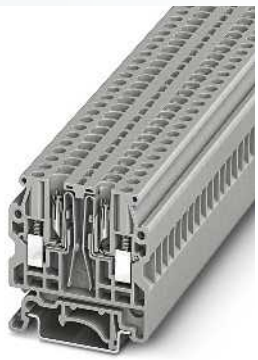
This disconnect terminal block offers numerous advantages especially for testing in measuring and signal circuits:

– Simultaneous interruption of individual or multiple neighboring disconnect terminal blocks by using the PS 6-DI-SD isolating plug
– Safe, uninterruptible looping in of measuring devices in the circuit with the aid of the PS 6–CT–SD test isolating plug
– Safe contacting of the potentials after opening the disconnect point through use of the PS 6–VT–SD test isolating plug
– Terminal points in the test isolating plugs allow individual test applications to be wired
– Easy potential distribution in the terminal strip with insertion bridges

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Circuit examples

a) Normal operation: no plug inserted
b) Measurement checking: looping in a measuring device with the PS 6-CT-SD test isolating plug
c) Current transformer short circuit: measurement split between two positions



4 (6) mm², test disconnect terminal block

Technical data

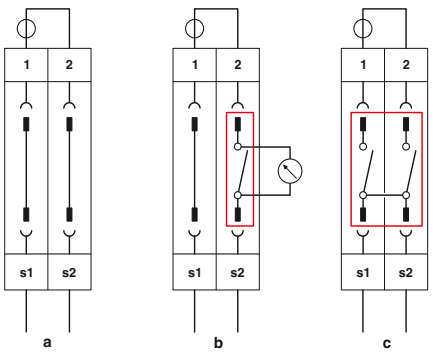
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**45.5**	**47.3**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**45.5**	**52.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		10	**500**	**0.5 - 6** / **20-10**
Rated data		IEC 60947-7-1 IEC	UL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	-
Nominal current / cross section	[A] / [mm²]	10 / 4	10	-
Rated cross section	[mm²]	4	-	-
Cross section range	AWG	20 - 10	20-10	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.5 - 6	0.5 - 4	0.5 - 4 / 0.5 - 4
2 conductors (of the same type)	[mm²]	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block, for mounting on NS 35		gray	**UK 4-SD**		**3246861**	50
Isolating plug		gray				
Test isolating plug		green				
Test isolating plug		red				

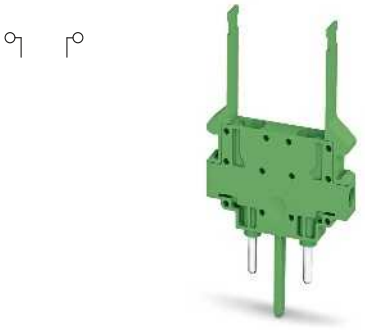
Accessories

Cover, width 2.2 mm		gray	**D-UK 4-SD**		**3246862**	50
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	11 A	**0201155**	100
	3	gray	**EB 3- 6**	11 A	**0201142**	100
	10	gray	**EB 10- 6**	11 A	**0201139**	10
Partition plate, 1.5 mm wide		gray	**ATP-UK**		**3003224**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			

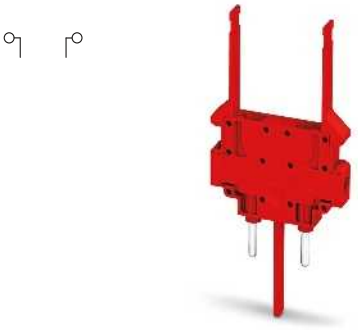




Isolating plug, disconnect function only



1.5 (2.5) mm² test isolating plug, contacts before the signal isolation



1.5 (2.5) mm² test isolating plug, contacts after the signal isolation

Technical data

Width	Length	Height NS 35/7,5	
6.2	**39.3**	**-**	
Width	Length	Height NS 32	
6.2	**39.3**	**-**	
		Max. Ø [mm²]	AWG (UL)
		-	**20-10**
IEC	UL	CSA	IEC/ EN 60079-7
-	300	-	-
-	-	-	-
-	-	-	-
-	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PS 6-DI-SD	**3246856**	50

Accessories

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**39.3**	**-**	
Width	Length	Height NS 32	
6.2	**39.3**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
8	**250**	**0.5 - 2.5**	**20-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
250	300	-	-
6	10	-	-
2.5	-	-	-
20 - 14	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1.5
-	-	-	-
-	-	-	-
7			
M3			
0.3 - 0.5			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PS 6-CT-SD	**3246857**	50

Accessories

SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**39.3**	**-**	
Width	Length	Height NS 32	
6.2	**39.3**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
8	**250**	**0.5 - 2.5**	**20-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
250	300	-	-
6	10	-	-
2.5	-	-	-
20 - 14	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1.5
-	-	-	-
-	-	-	-
7			
M3			
0.3 - 0.5			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PS 6-VT-SD	**3246858**	50

Accessories

SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Double-level diode terminal blocks UKK ...

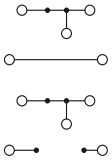
– Double-level diode terminal blocks with various forms of wiring are available for a huge range of applications
– Electronic components can be individually soldered with UKK 5–BE

Notes:

1) Integrated: Rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A

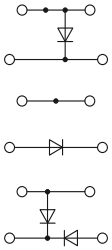
2) Max. installation width of components to be soldered in: 5 mm

3) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A





4 (4) mm², 32 A, double-level terminal block for soldering in components





4 (4) mm², 32 A, double-level diode terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**6.2**	**56**	**62**		
Dimensions	Width	Length	Height NS 32		
[mm]	**6.2**	**56**	**67**		
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
	32	**500**	**0.2 - 4**	**-**	
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	500	-	-	-	
Nominal current / cross section [A] / [mm²]	32 / 4	-	-	-	
Rated cross section [mm²]	4	-	-	-	
Cross section range AWG	24 - 12	-	-	-	
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve		
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5	
General data					
Stripping length [mm]	8				
Screw thread	M3				
Tightening torque [Nm]	0.6 - 0.8				
Insulating material	PA				
Inflammability class according to UL 94	V0				

Technical data

Width	Length	Height NS 35/7,5		
6.2	**56**	**62**		
Width	Length	Height NS 32		
6.2	**56**	**67**		
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
32	**500**	**0.2 - 4**	**26-10**	
IEC	UL	CSA	IEC/ EN 60079-7	
500	600	-	-	
32 / 4	30 / -	-	-	
4	-	-	-	
24 - 12	26-10	-	-	
Solid	Stranded	Ferrule without/with plastic sleeve		
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
-	-	-	0.5 - 1.5	
8				
M3				
0.6 - 0.8				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, component can be soldered in[2])		gray	**UKK 5-BE**		**3048027**	50
Terminal block, for soldering in a component from top to bottom left and from bottom right to bottom left[2])		gray	**UKK 5-2 BE**		**3048030**	50
Terminal block, with integrated 1N 4007 diode, conducting from top to bottom[3])		gray				
Terminal block, with integrated 1N 4007 diode, conducting from bottom to top[3])		gray				
Terminal block, with integrated 1N 4007 diode, conducting from bottom left to bottom right[3])		gray				
Terminal block, with two integrated 1N 4007 diodes, conducting direction from top to bottom left and from bottom right to bottom left[1])		gray				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5-DIO/O-U		**2791016**	50
UKK 5-DIO/U-O		**2791032**	50
UKK 5-DIO/UL-UR		**2791029**	50
UKK 5-2DIO/O-UL/UR-UL		**2791113**	50

Accessories

Cover, width 2.5 mm		gray	**D-UKK 3/5**	**2770024**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UKK 3/5**	**2770794**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6** 32 A	**0203250**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove marking			**ZB 6 (see Catalog 5)**		

Accessories

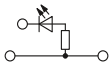
D-UKK 3/5	**2770024**	50
DP-UKK 3/5	**2770794**	50
FBI 10- 6 32 A	**0203250**	10
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10
ZB 6 (see Catalog 5)		

Double-level terminal blocks with LED display UKK ...

– The integrated LED display in UKK 5-LA ... indicates the voltage condition of the lower feed-through level
– Available in three voltage levels up to 250 V

Notes:

[1]) The operating voltage is determined by the LED version.





4 (4) mm², 32 A, double-level terminal block with LED

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		32	**500[1])**	**0.2 - 4**	**26-10**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with LED display for 12 – 30 V DC, 0.7 – 2.4 mA		gray	**UKK 5-LA 24 RD/U-O**		**2791320**	50
With LED display for 30-60 V DC, 0.8-1.8 mA		gray	**UKK 5-LA 60 RD/U-O**		**2791333**	50
With LED display for 110–250 V AC/DC, 0.1–0.5 mA		gray	**UKK 5-LA 230**		**2791359**	50

Accessories

Cover, width 2.5 mm		gray	**D-UKK 3/5**		**2770024**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UKK 3/5**		**2770794**	50
Fixed bridge, insulated						
	10	silver	**FBI 10- 6**	32 A	**0203250**	10
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	28 A	**0201155**	100
	3	gray	**EB 3- 6**	28 A	**0201142**	100
	10	gray	**EB 10- 6**	28 A	**0201139**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**						
	10	silver	**ISSBI 10- 6**	24 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Partition plate, 2.5 mm wide		gray	**ATP-UKK 3/5**		**2778521**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 6 (see Catalog 5)**			

Component terminal blocks UDK ...



- The constant current circuits common in process automation transmit the measured values as a load-independent current of 0(4) - 20 mA
- A voltage signal pick-off can be implemented in the measuring line using this terminal block, thus allowing the signal to be used as an analog signal for process computers
- The four-conductor connection permits convenient wiring
- The lower level is assigned to the measuring line while the upper level is used for voltage pick-off via the 249 Ω resistor

Notes:

[1]) The current is determined by the component used.

Maximum width of components to be soldered in: 5 mm



4 (6) mm², feed-through terminal block, 4 connections, with differential voltage resistor

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**63.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**63.5**	**52**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
			630	**0.2 - 6** / **-**
Rated data		IEC	UL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	630	-	600 / -
Nominal current / cross section	[A] / [mm²]	32[1]) / 4	-	10 / - / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 10	-	22-10 / -
Connection capacity		Solid	Stranded	Ferrule / without/with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4 / 0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1
Max. cross section with insertion bridge	[mm²]	2.5	2.5	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Differential voltage terminal block, for self-soldering a resistor		gray	**UDK 4-DUR**		**2775207**	50
With built-in resistor 249 Ω/ ± 1%/ 1 W		gray	**UDK 4-DUR 249**		**2775249**	50

Accessories

Cover, width 1.5 mm		gray	**D-UDK 4**		**2775113**	50
Fixed bridge, insulated						
	10	silver	**FBI 10- 6**	32 A	**0203250**	10
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	26 A	**0201155**	100
	3	gray	**EB 3- 6**	26 A	**0201142**	100
	10	gray	**EB 10- 6**	26 A	**0201139**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**						
	10	silver	**ISSBI 10- 6**	32 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 6 (see Catalog 5)**			

LED display terminal blocks for voltage and current UDK ...

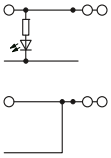
UDK 4–ULA ...

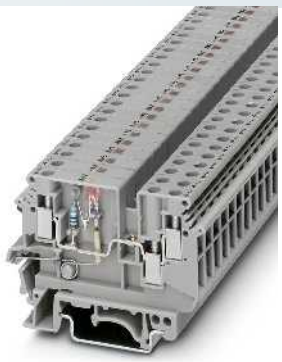
– An LED indicates the potential status of the feed-through circuit line
– The LED return conductor is implemented with an RS busbar and UDK 4–ULA/EK power terminal

UDK 4–ILA ...

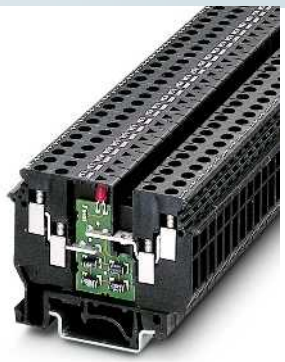
– For the 4 to 500 mA current range
– If a load current flows through the load, this is indicated by the LED

Notes:
[1]) Note load current diagram, see phoenixcontact.net/products
[2]) To neighboring terminal blocks





4 (6) mm², 32 A, feed-through terminal block, 3 connections, with voltage indicator



4 (6) mm², 0.5 A, feed-through terminal block, 4 connections, with current indicator up to 1000 mA

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.5**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.5**	**52**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	32	**500[2])**	**0.2 - 6**	**30-10**
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500[2])	600	600	-
Nominal current / cross section [A] / [mm²]	32 / 4	30 / -	10 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	30-10	22-12	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
2 conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5
Max. cross section with insertion bridge [mm²]	2.5	2.5	-	-
General data				
Stripping length [mm]	8			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.5**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.5**	**52**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	0.5[1])	**500[2])**	**0.2 - 6**	**30-10**
Rated data	IEC	UL	CSA	IEC/ EN 60079-7
	500[2])	600	600	-
	0.5 / 4	0.5 / -	0.5 / -	-
	4	-	-	-
	24 - 10	30-10	22-10	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
	-	-	-	0.5 - 2.5
	2.5	2.5	-	-
General data				
	8			
	M3			
	0.5 - 0.6			
	PA			
	V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Voltage indicator terminal block, for mounting on NS 32... or NS 35..., with LED display for 15–30 V DC		gray	**UDK 4-ULA 24 RD/O-U**		**2775045**	50
With LED for 30-60 V DC		gray	**UDK 4-ULA 48 RD/O-U**		**2775032**	50
With LED for 110-230 V AC/DC		gray	**UDK 4-ULA 230**		**2775058**	50
Power terminal, for connecting the reference potential to the return busbar RS, $I_{max.}$ 2 A		blue	**UDK 4-ULA/EK**		**2775029**	50
Return busbar, engaged in terminal block and led parallel to terminal strip, length: 1 m, Ø 3 mm		silver	**RS**		**2775126**	1
Current indicator terminal, for mounting on NS 32... or NS 35..., displays the current flow of an auxiliary current circuit using the LED		black				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UDK 4-ILA 500		**2775061**	50

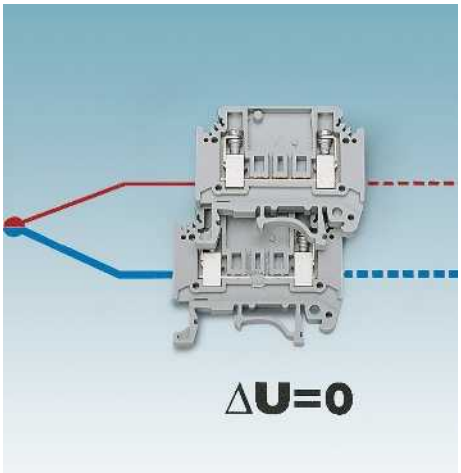
Accessories

Cover, width 1.5 mm		gray	**D-UDK 4**	**2775113**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6** 32 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6** 26 A	**0201155**	100
	3	gray	**EB 3- 6** 26 A	**0201142**	100
	10	gray	**EB 10- 6** 26 A	**0201139**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**	**2770215**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove marking			**ZB 6 (see Catalog 5)**		

Accessories

D-UDK 4		**2775113**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	26 A	**0201155**	100
EB 3- 6	26 A	**0201142**	100
EB 10- 6	26 A	**0201139**	10
TS-KK 3		**2770215**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 6 (see Catalog 5)			

Thermoelectric voltage terminal block pair, MTKD-...



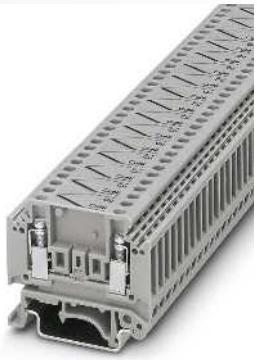
– These special terminal blocks are used to extend thermocouple compensating lines in corresponding measuring circuits
– The compensating lines are made of materials which, up to temperatures of 200 °C, have the same thermal characteristics as the corresponding thermocouples
– This ensures that no false thermoelectric voltages result at the junctions of the thermocouple/terminal block/compensating line and that the basic values according to EN 60584/DIN EN 60584 are adhered to

Notes:

[1]) Voltage to the neighboring feed-through terminal MTK.

For table for selecting thermoelectric voltage terminal blocks, visit phoenixcontact.net/products





2.5 (4) mm², feed-through terminal block pair

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		10.4	**46**	**40**
Dimensions		Width	Length	Height NS 32
	[mm]	**10.4**	**46**	**45**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		1	**400[1])**	**0.2 - 4 / 28-12**
Rated data		IEC 60947-7-1 IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400[1])	300	- / -
Nominal current / cross section	[A] / [mm²]	1	10 / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	28-12	- / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	- / -
General data				
Stripping length	[mm]	7		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

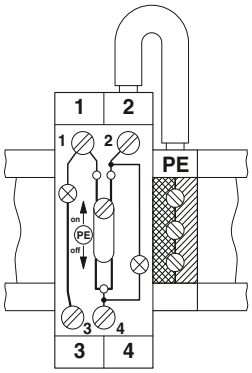
Description	Color	Type	Order No.	Pcs. / Pkt.
Thermocouple terminal block pair for CU/CUNI44, Copper/constantan, USA type **T**	gray	**MTKD-CU/CUNI**	**3100059**	50
Thermocouple terminal block pair for FE/CUNI44, Iron/constantan, USA type **J**	gray	**MTKD-FE/CUNI**	**3100046**	50
Thermocouple terminal block pair for NICR/CUNI44, Nickel-chrome/constantan, USA type **E**	gray	**MTKD-NICR/CUNI**	**3100075**	50
Thermocouple terminal block pair for NICRSI/NISI Nickel-chrome silicon/nickel silicon, USA type **N**	gray	**MTKD-NICRSI/NISI**	**5043321**	50
Thermocouple terminal block pair for NICR/NI, Nickel-chrome/Nickel, USA type **K**	gray	**MTKD-NICR/NI**	**3100062**	50
Thermocouple terminal block pair for E-CU/A-CU, Copper/copper nickel, USA type **R**	gray	**MTKD-E-CU/A-CU**	**3100091**	50
Thermocouple terminal block pair for S-CU/E-CU, S-copper/copper, USA type **B**	gray	**MTKD-S-CU/E-CU**	**3100101**	50

Accessories

Cover, width 1 mm	gray	**D-MTK**	**3101029**	50
Partition plate, for visual and electrical separation of terminal groups, 1.0 mm thick	gray	**ATS-MTK**	**3101223**	50
Screwdriver		**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove marking		**ZB 10 (see Catalog 5)**		

GTF 76 ground disconnect terminal block







6 (10) mm², 57 A, ground disconnect terminal block

EN 60204-1/VDE 0113-1 "Electrical Equipment of Industrial Machines", Section 9.4.3.1 states:

"Ground faults in a control circuit may not lead to an unintentional start-up, to potentially dangerous movements or prevent the stopping of a machine."

– The ground disconnect terminal block GTF 76 conveniently solves this problem
– When the disconnect slide is closed, switch position "on", the yellow light signals grounded normal operation
– Once the disconnect slide has been opened to the "off" position, the red light indicates whether there is a ground fault in the control circuit

Note:

– Asymmetries in the cable isolation mean that the red display may easily light up even when there is no ground fault if the disconnect slide is open. This has no impact on functionality and does not affect the protective measure demanded in the VDE requirements

Attention!

– During isolation testing according to EN 60204–1/VDE 0113–1, the GTF 76 should be disconnected or bridged as otherwise the LED display will be destroyed or a short circuit will occur

Notes:

[1]) 250 V for GTF 76/230

Technical data

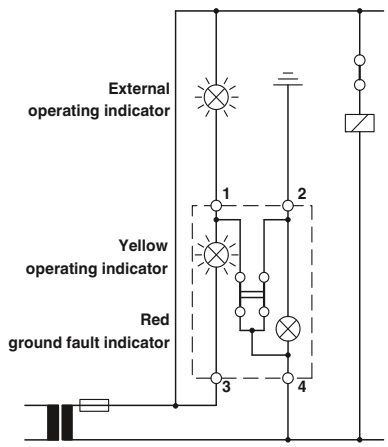
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		22.5	**64.5**	**54**
Dimensions		Width	Length	Height NS 32
	[mm]	**22.5**	**64.5**	**59**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		57	**110[1])**	**0.5 - 10** / **26-8**
Rated data		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	110[1])	250	- / -
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	- / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	20 - 8	26-8	- / -
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 10 / 0.5 - 4
2 conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 6	0.5 - 6 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 4
General data				
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.2 - 1.5		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

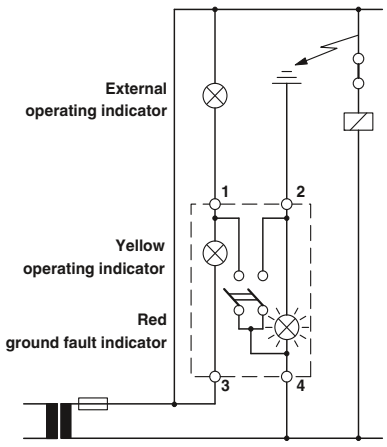
Description	Color	Type	Order No.	Pcs. / Pkt.
Basic disconnect terminal block, for mounting on NS 32..., NS 35... or NS 35/15-2,3 for 110–250 V AC/DC, current: 0.5–1 mA	gray	**GTF 76/230**	**3121012**	10
Basic disconnect terminal block, for mounting on NS 32..., NS 35... or NS 35/15-2,3 for 24–48 V AC/DC, current: 3.5–8 mA	gray	**GTF 76/ 48**	**3121025**	10

Accessories

Screwdriver	**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove marking	**ZB 10 (see Catalog 5)**		



Grounded operating mode



Ground fault

Feed-through terminal blocks with flat plug connection UVKB ... and UHK ...



UVKB terminal blocks

– The front flat plug connection is the optimum wiring design for tight spaces and if cable ducts need moving close to the terminal strip
– The housing walls only protrude slightly beyond the metal parts because it is assumed that fully-isolated plug-in sleeves are connected
– The slotted plugs allow a fully isolated or two bare 2.8 mm plug-in sleeves to be slid on in place of one 6.3 mm flat plug-in sleeve

UHK terminal blocks

Owing to the characteristic arrangement of three slip-on blade connectors on each terminal block side, UHK... terminal blocks prove to be advantageous in technical applications:

– Economical use of terminal blocks and bridge connections
– Convenient operation, i. e., free view of the connectors, good connector accessibility and quick connection check
– The marking is easily visible due to the smart wire guiding in the lateral cable ducts
– Reading the marking from the front

Notes:

For corresponding slip-on sleeves, see Catalog 5.

[1]) Current and voltage data for quick connect terminations according to EN 61210 are also dependent on nominal size, material, insulation of the coupling and conductor cross section.



4 (4) mm², 29 A, feed-through terminal block, with screw and slip-on connection

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**68**	**44**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**68**	**49**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		29[1])	**500[1])**	**0.2 - 4 / 28-12**
Rated data		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500[1])	300	-
Nominal current / cross section	[A] / [mm²]	29 / 4	25 / -	-
Rated cross section	[mm²]	4	-	-
Cross section range	AWG	24 - 12	28-12	-
Connection capacity screw connection		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	4	4	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors[1])		gray	**UVKB 4-FS(6-2,8-0,8)**		**1954016**	50

Accessories

Cover, width 2.2 mm		gray	**D-UVKB 4**		**1920024**	50
Cover, width 2.3 mm		gray				
Fixed bridge, insulated	10	silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	24 A	**0201155**	100
	3	gray	**EB 3- 6**	24 A	**0201142**	100
	10	gray	**EB 10- 6**	24 A	**0201139**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	24 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-K**		**1302215**	50
Partition plate, for visual and electrical isolation of terminal groups, 2.3 mm thick		gray				
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Center groove marking			**ZB 6 (see Catalog 5)**			



4 (6) mm², 32 A, feed-through terminal block, with spade connection

Technical data

Width	Length	Height NS 35/7,5	
6.2	**68**	**44**	
Width	Length	Height NS 32	
6.2	**68**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32[1])	**800[1])**	**0.5 - 6**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
800[1])	300	-	-
32[1]) / 4	25 / -	-	-
4	-	-	-
20 - 10	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
-			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UVKB 4-FS/FS(8-2,8-0,8)		**1953017**	50

Accessories

D-UVKB 4		**1920024**	50
FBI 10- 6	24 A	**0203250**	10
ISSBI 10- 6	24 A	**0301505**	10
IS-K 4		**1302338**	100
TS-K		**1302215**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10

ZB 6 (see Catalog 5)



4 (4) mm², 40 A, feed-through terminal block, with screw and slip-on connection

Technical data

Width	Length	Height NS 35/7,5	
6.2	**54**	**51.5**	
Width	Length	Height NS 32	
6.2	**54**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
40[1])	**800[1])**	**0.2 - 4**	**28-12**
IEC	UL	CSA	IEC/ EN 60079-7
800[1])	250	600	-
32[1]) / 4	25 / -	20 / -	-
4	-	-	-
24 - 12	28-12	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
9			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UHK 4-FS(8-2,8-0,8)		**2017237**	50

Accessories

D-HK 4		**2002022**	50
EB 2- 6	30 A	**0201155**	100
EB 3- 6	30 A	**0201142**	100
EB 10- 6	30 A	**0201139**	10
D-UVK 4		**1922022**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)



40 A, feed-through terminal block, with slip-on connection

Technical data

Width	Length	Height NS 35/7,5	
6.2	**54**	**51.5**	
Width	Length	Height NS 32	
6.2	**54**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
40[1])	**800[1])**	**0.5 - 6**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
800[1])	250	600	-
40[1])	25 / -	20 / -	-
-	-	-	-
20 - 10	-	22-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
-			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UHK 4-FS/FS(12-2,8-0,8)	**2017224**	50

Accessories

D-HK 4	**2002022**	50
D-UVK 4	**1922022**	50

ZB 6 (see Catalog 5)

Feed-through terminal blocks with slip-on connection VBST ... and PVB ...

Notes:

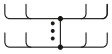
1) Current and voltage data for quick connect according to EN 61210 are also dependent on nominal size, material, insulation of the coupling and conductor cross section.

2) Nominal current of the module connector per position: 13 A





2.5 (4) mm², 32 A, feed-through terminal block, with screw and slip-on connection





4 (6) mm², 30 A, equipotential bonder terminal block base with slip-on connection

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**72**	**39.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		32²)	**800¹)**	**0.2 - 4**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800¹)	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity screw connection		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	2.5	2.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**17**	**80**	**43.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		30¹)	**800¹)**	**0.5 - 6**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800¹)	-	-	-
Nominal current / cross section	[A] / [mm²]	30¹) / 4	-	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	20 - 10	-	-	-
Connection capacity screw connection		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 6	0.5 - 6	-	-
2 conductors (of the same type)	[mm²]	-	-	-	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	-
Max. cross section with insertion bridge	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	-			
Screw thread		-			
Tightening torque	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35..., with three slotted 6.3/2.8 mm slip-on blade connectors		gray	**VBST 4-FS(6-2,8-0,8)**		**0852012**	50
Terminal block, for mounting on NS 35..., with two slotted 6.3/2.8 mm flat plugs and double function shaft for FBS ...6 jumpers		gray	**VBSTB 4-FS (6-2,8-0,8)**		**3070435**	50
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors, 8 slots, terminal width: 17 mm		gray				
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors, 12 slots, terminal width: 23.2 mm		gray				
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors, 20 slots, terminal width: 35.6 mm		gray				
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors, 40 slots, terminal width: 66.6 mm		gray				

Accessories

Cover and **partition plate,** width 2.2 mm		gray	**D/TP-VBS**	**0851026**	50
Insertion bridge, insulated					
	2	gray	**EB 2- 6** 24 A	**0201155**	100
	3	gray	**EB 3- 6** 24 A	**0201142**	100
	10	gray	**EB 10- 6** 24 A	**0201139**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Center groove marking			**ZB 6 (see Catalog 5)**		

Ordering data

Type	Order No.	Pcs. / Pkt.
PVB 2	**0870023**	10
PVB 3	**0870036**	10
PVB 5	**0870052**	10
PVB10	**0870120**	5

Accessories

ZB 6 (see Catalog 5)

Feed-through terminal blocks with slip-on connection USK ...

Notes:

[1]) Current and voltage data for quick connect terminations according to EN 61210 are also dependent on nominal size, material, insulation of the coupling and conductor cross section.

For corresponding slip-on sleeves, see Catalog 5.



4 (4) mm², 32 A, feed-through terminal block, with screw and slip-on connection



4 (6) mm², 32 A, feed-through terminal block, with slip-on connection

		Technical data				Technical data			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**42.5**	**45.5**		**6.2**	**42.5**	**45.5**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**6.2**	**42.5**	**50.5**		**6.2**	**42.5**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		32[1])	**800[1])**	**0.2 - 4**	**28-12**	**32[1])**	**800[1])**	**0.5 - 6**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7	IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800[1])	600	600	-	800[1])	600	600	-
Nominal current / cross section	[A] / [mm²]	32[1]) / 4	20 / -	20 / -	-	32[1]) / 4	20 / -	20 / -	-
Rated cross section	[mm²]	4	-	-	-	4	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-	20 - 10	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	0.5 - 6	0.5 - 6	-	-
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	-	-	-	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5	-	-	-	-
Max. cross section with insertion bridge	[mm²]	2.5	2.5	-	-	-	-	-	-
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.6 - 0.8				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class according to UL 94		V2				V2			

Description	No. of pos.	Color	Ordering data Type	I_{max}	Order No.	Pcs. / Pkt.	Ordering data Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**USK 4-FSR(4-2,8-0,8)**		**0270018**	50			
Terminal block, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors		gray					**USK 4-FS/FS(8-2,8-0,8)**	**0271017**	50
			Accessories				**Accessories**		
Cover, width 1.3 mm		gray	**D-USK 4/10**		**0260028**	50	**D-USK 4/10**	**0260028**	50
Insertion bridge, insulated									
	2	gray	**EB 2- 6**	24 A	**0201155**	100			
	3	gray	**EB 3- 6**	24 A	**0201142**	100			
	10	gray	**EB 10- 6**	24 A	**0201139**	10			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10			
Center groove marking			**ZB 6 (see Catalog 5)**				**ZB 6 (see Catalog 5)**		

Double-level terminal blocks with screw/slip-on connection UKK ...





4 (4) mm², 20 A, double-level terminal block with screw and slip-on connection

Notes:

Important note:
The notched partition plate must be removed to bridge the terminal blocks.

For corresponding slip-on sleeves, see Catalog 5.

1) Current and voltage data for quick connect terminations according to EN 61210 are also dependent on nominal size, material, insulation of the coupling and conductor cross section.

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**72**	**59**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**72**	**64**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		20[1])	**400[1])**	**0.2 - 4 / 30-10**
Rated data		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400[1])	300	-
Nominal current / cross section	[A] / [mm²]	20[1]) / 4	20 / -	-
Rated cross section	[mm²]	4	-	-
Cross section range	AWG	24 - 12	30-10	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with disconnect knife, for mounting on NS 32... or NS 35..., with screw connection and slotted 6.3/2.8 mm slip-on blade connectors		gray	**UKK 4-FS**		**2770561**	50
Double-level terminal block, with disconnect knife, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors on both sides		gray				

Accessories

Cover, width 1.5 mm		gray	**D-UKK 4**		**2770558**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	20 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	20 A	**0201155**	100
	3	gray	**EB 3- 6**	20 A	**0201142**	100
	10	gray	**EB 10- 6**	20 A	**0201139**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	20 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 6 (see Catalog 5)**			



4 (6) mm², 20 A, double-level terminal block with slip-on connection

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72**	**59**	
Width	Length	Height NS 32	
6.2	**72**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
20[1])	**400[1])**	**0.5 - 6**	**-**

IEC	UL	CSA	IEC/ EN 60079-7
400[1])	300	-	-
20[1]) / 4	20 / -	-	-
4	-	-	-
20 - 10	-	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	-
-	-	-	-
-	-	-	-
-	-	-	-

-
-
-
PA
V0

Ordering data

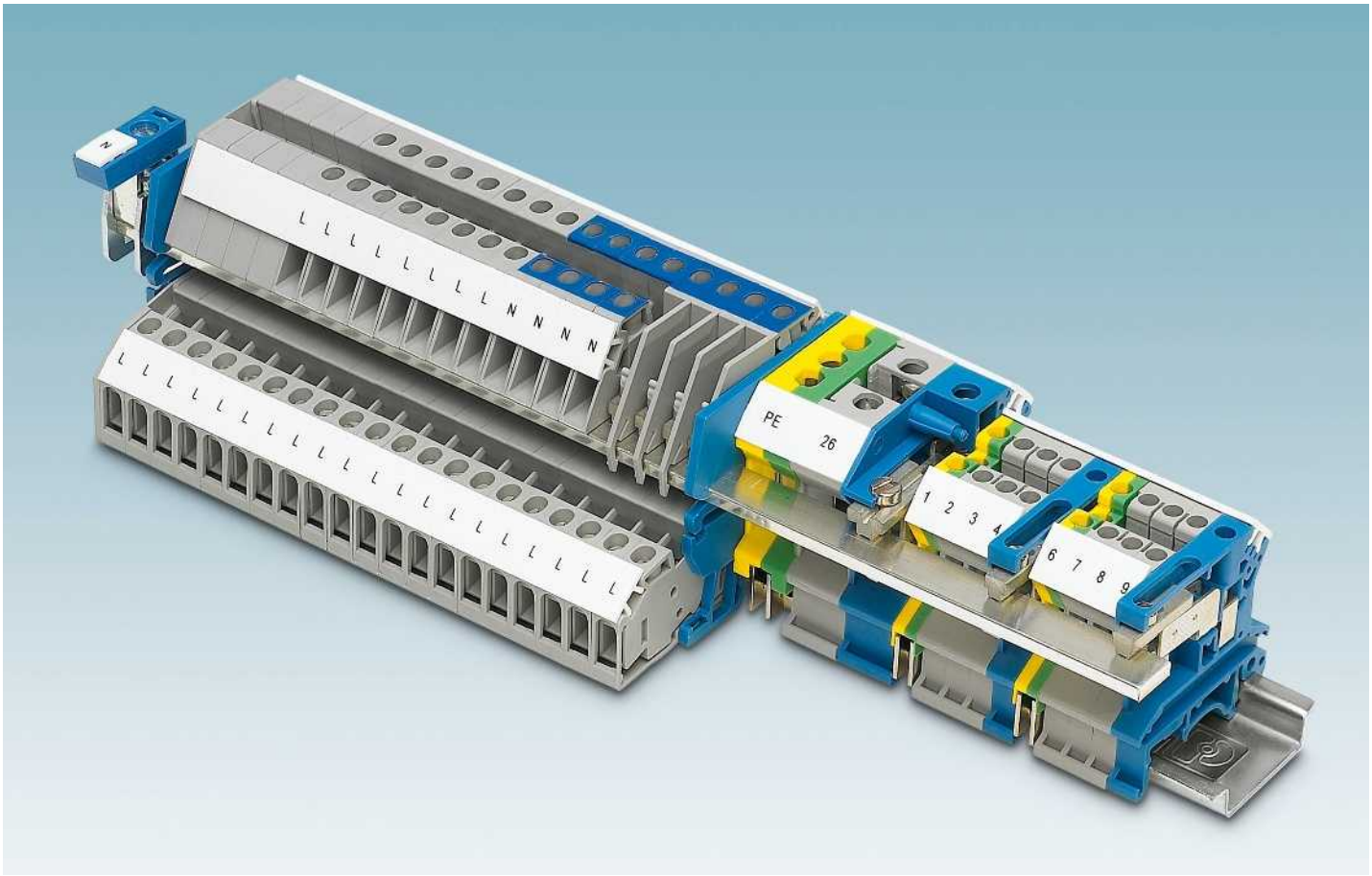
Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 4-FS/FS		**2771133**	50

Accessories

D-UKK 4		**2770558**	50
FBI 10- 6	20 A	**0203250**	10
ISSBI 10- 6	20 A	**0301505**	10
IS-K 4		**1302338**	100
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10

ZB 6 (see Catalog 5)

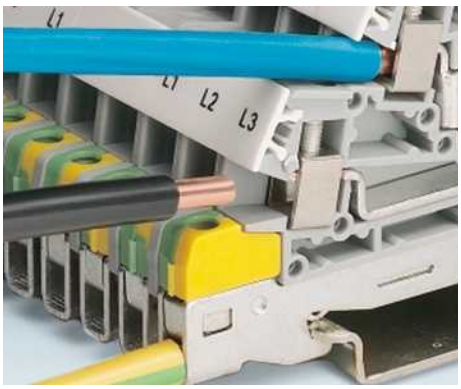
UIK ... installation terminal blocks





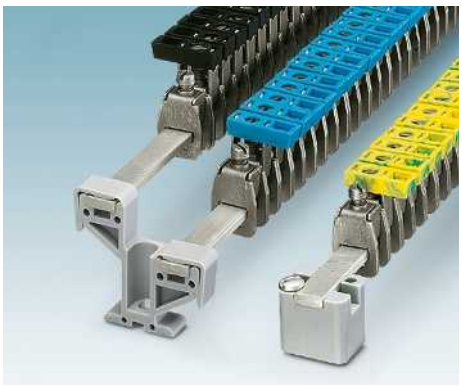
For flexible combinations

All installation terminal blocks for the various connection technologies (UTN, push-in, and STI) can be combined in any way. The neutral busbar is on one level across all installation terminal blocks.



Space-saving structure

Compact three-level installation terminal blocks with up to a 10 mm² conductor connection are available for installing larger three-phase consumers such as ventilation motors or consumers in commercial kitchens.

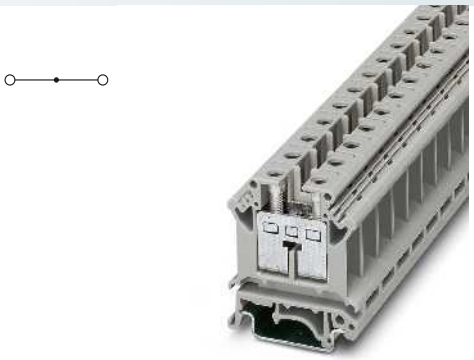


Installation accessories

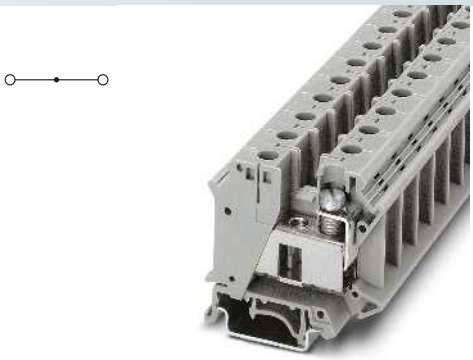
There is an extensive range of accessories for potential distribution and supply. The AKG connection terminal blocks satisfy the requirements of the DIN VDE 0100 or VDE 0113–1 standard in terms of color marking and the ability to mark each terminal block.

UIK ... installation terminal blocks

- Installation terminal blocks with a particularly low shape for use in flat distributors
- The asymmetric arrangement of the terminal blocks on the DIN rail allows the PEN conductor busbar to be routed to the terminal blocks
- The standard feed-through terminal blocks UK 1,5 N to UK 16 N can be used in conjunction with the PEN conductor busbar



16 (25) mm², 101 A, feed-through terminal block



35 (35) mm², 125 A, feed-through terminal block

CCA

CCA

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**12.2**	**42.5**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**12.2**	**42.5**	**52**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	101	**400**	**2.5 - 25**	**22-4**
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	600	600	-
Nominal current / cross section [A] / [mm²]	76 / 16	85 / -	85 / -	-
Rated cross section [mm²]	16	-	-	-
Cross section range AWG	12 - 4	22-4	22-4	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
2 conductors (of the same type) [mm²]	1.5 - 6	1.5 - 6	1.5 - 4	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.75 - 10
Max. cross section with insertion bridge [mm²]	16	16	-	-
General data				
Stripping length [mm]	11			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Technical data

Width	Length	Height NS 35/7,5		
15.2	**55**	**51**		
Width	Length	Height NS 32		
15.2	**55**	**56**		
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
125	**800**	**0.75 - 35**	**18-2**	
IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7	
800	600	600	-	
125 / 35	115 / -	130 / -	-	
35	-	-	-	
18 - 2	18-2	18-2	-	
Solid	Stranded	Ferrule without/with plastic sleeve		
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35	
0.75 - 10	0.75 - 10	0.75 - 10	-	
-	-	-	0.75 - 6	
35	35	-	-	
16				
M6				
3.2 - 3.7				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UIK 16**		**3006153**	50
		blue	**UIK 16 BU**		**3006205**	50
Accessories						
Cover, width 1.8 mm		gray	**D-UK 4/10**		**3003020**	50
		blue	**D-UK 4/10 BU**		**3003101**	50
Fixed bridge, insulated						
	2	silver				
	3	silver				
	10	silver	**FBI 10-12**	101 A	**0203454**	10
Insertion bridge, can be separated, fully insulated						
	2	gray				
	3	gray				
	10	gray	**EB 10-12**	68 A	**3006137**	10
Switching jumper for 2 terminal blocks, complete, only mount with short link						
	1	silver				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-K**		**1302215**	50
Partition plate, 1.5 mm wide		gray	**ATP-UK**		**3003224**	50
Test socket, for test connection with test plug PS		silver	**PSB 4/7/6**		**0303299**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove marking			**ZB 12 (see Catalog 5)**			

Ordering data

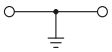
Type	I_{max}	Order No.	Pcs. / Pkt.
UIK 35		**3006182**	50
UIK 35 BU		**3006302**	50
Accessories			
FBI 2-15	125 A	**0201333**	10
FBI 3-15	125 A	**0201278**	10
EB 2-15 K/UK 35	101 A	**0205119**	10
EB 3-15 K/UK 35	101 A	**0205106**	10
EB 10-15 K/UK 35	101 A	**0205096**	10
SBH 2-15	120 A	**0205232**	1
TS-K		**1302215**	50
PSB 6/5/6		**0205290**	10
SZS 1,0X4,0 VDE		**1205066**	10
ZB 15 (see Catalog 5)			

Installation protective terminal blocks UISLKG ...

– The standard protective terminal blocks USLKG 1,5 N to USLKG 16 N can be used in conjunction with the PEN conductor busbar

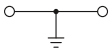
Notes:

Current carrying capacity of DIN rails, see page 608





16 (25) mm², 101 A, protective terminal block





35 (35) mm², 125 A, protective terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**12**	**42.5**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**12**	**42.5**	**52**	
Max. electrical data	$I_{max.}$ [A]		Max. Ø [mm²]	AWG (UL)
	101		**2.5 - 25**	**22-4**
Rated data	IEC 60947-7-2 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	-	-	-	-
Nominal current / cross section [A] / [mm²]	76 / 16	-	-	-
Rated cross section [mm²]	16	-	-	-
Cross section range AWG	12 - 3	22-4	22-4	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	2.5 - 25	2.5 - 16	1.5 - 16	1.5 - 16
2 conductors (of the same type) [mm²]	1.5 - 6	1.5 - 4	1.5 - 6	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.75 - 10
General data				
Stripping length [mm]	11			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Technical data

Width	Length	Height NS 35/7,5		
15	**55**	**51**		
Width	Length	Height NS 32		
15	**55**	**56**		
$I_{max.}$ [A]		Max. Ø [mm²]	AWG (UL)	
125		**0.75 - 35**	**18-2**	
IEC 60947-7-2 IEC	UL	CSA	IEC/ EN 60079-7	
-	-	-	-	
125 / 35	-	-	-	
35	-	-	-	
18 - 2	18-2	-	-	
Solid	Stranded	Ferrule without/with plastic sleeve		
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35	
0.75 - 16	0.75 - 10	0.75 - 10	-	
-	-	-	0.75 - 6	
16				
M6				
3.2 - 3.7				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Protective terminal block, for mounting on NS 32... or NS 35...		green-yellow	**UISLKG 16**	**0443052**	50
Protective terminal block, for mounting on NS 35/15–2,3		green-yellow	**UISLKG 16-1**	**3001789**	50

Accessories

Screwdriver	**SZS 1,0X6,5 VDE**	**1205079**	10
Lateral groove marking	**ZB 12 (see Catalog 5)**		

Ordering data

Type	Order No.	Pcs. / Pkt.
UISLKG 35	**0443065**	50
UISLKG 35-1	**3001776**	50

Accessories

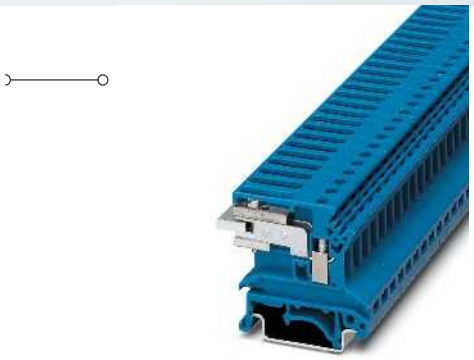
SZS 1,0X6,5 VDE	**1205079**	10
ZB 15 (see Catalog 5)		

Neutral disconnect terminal blocks UKN ...

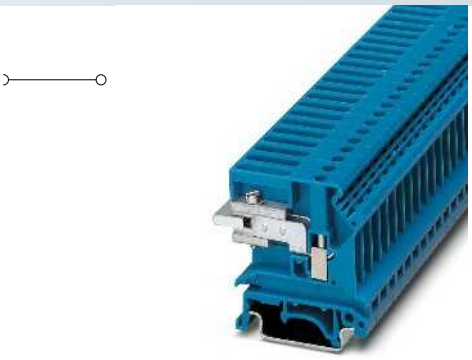
– With screw disconnect slide
– Same shape as feed-through, ground conductor and installation terminal blocks

Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



2.5 (4) mm², 32 A, neutral disconnect terminal block



4 (6) mm², 36 A, neutral disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**43.5**	**42**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**43.5**	**47**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		32	**400**	**0.2 - 4**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	7			
Terminal point: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Disconnect slide: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	**UKN 2,5 BU**		**3032004**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm², 10 mm wide	blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² Solid, 14.3 mm wide	blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.5 mm	blue	**D-UKN 2,5**		**3032017**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Cover profile, for neutral busbar, 1 m long	transparent	**AP-NLS**		**5037133**	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	**UAB**		**3032428**	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	**AB/NS**		**1201141**	10
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking		**ZB 6 (see Catalog 5)**			

Technical data

		Width	Length	Height NS 35/7,5	
		6.2	**43.5**	**47**	
		Width	Length	Height NS 32	
		6.2	**43.5**	**52**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		36	**400**	**0.2 - 6**	**-**
		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
		400	-	-	-
		32 / 4	-	-	-
		4	-	-	-
		24 - 10	-	-	-
		Solid	Stranded	Ferrule without/with plastic sleeve	
		0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
		0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
		-	-	-	0.5 - 2.5
		7			
		M3 / 0.6 - 0.8			
		M2,5 / 0.5 - 0.6			
		PA			
		V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKN 5 BU		**3032088**	50

Accessories

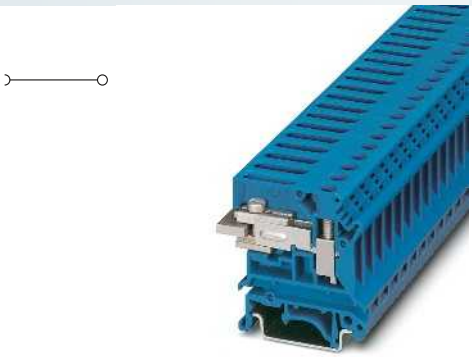
AKG 16 BU		**0423014**	50		
AKG 35 BU		**0424013**	50		
D-UK 4/10 BU		**3003101**	50		
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10		
AP-NLS		**5037133**	10		
UAB		**3032428**	50		
AB/NS		**1201141**	10		
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10		
ZB 6 (see Catalog 5)					

Neutral disconnect terminal blocks UKN ...

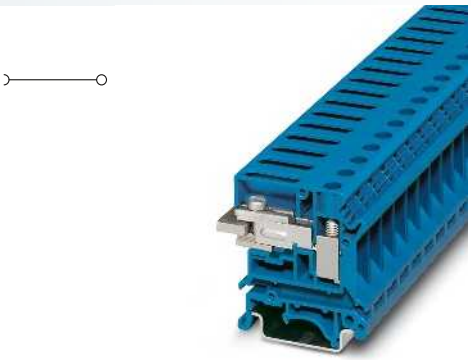
– With screw disconnect slide
– Same shape as feed-through, ground conductor, and installation terminal blocks

Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



6 (10) mm², 50 A, neutral disconnect terminal block



10 (16) mm², 63 A, neutral disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**43.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**8.2**	**43.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		50	**400**	**0.2 - 10**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	-	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 4
General data					
Stripping length	[mm]	10			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	**UKN 6 N BU**		**3024041**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm², 10 mm wide	blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² Solid, 14.3 mm wide	blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.8 mm	blue	**D-UK 4/10 BU**		**3003101**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	**UAB**		**3032428**	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	**AB/NS**		**1201141**	10
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking		**ZB 8 (see Catalog 5)**			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**43.5**	**47.3**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**8.2**	**43.5**	**52.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		63	**400**	**0.5 - 16**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	-	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	20 - 6	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6
General data					
Stripping length	[mm]	12			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKN 10 N BU		**3003910**	50

Accessories

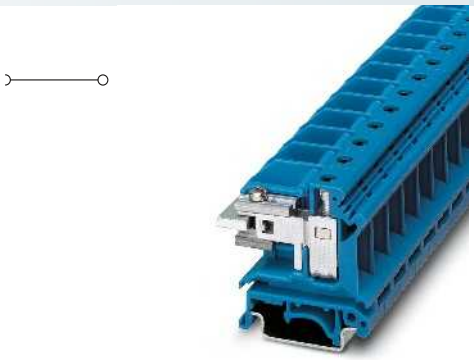
AKG 16 BU		**0423014**	50		
AKG 35 BU		**0424013**	50		
D-UK 4/10 BU		**3003101**	50		
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10		
UAB		**3032428**	50		
AB/NS		**1201141**	10		
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10		
ZB 10 (see Catalog 5)					

Neutral disconnect terminal blocks UIKN ...

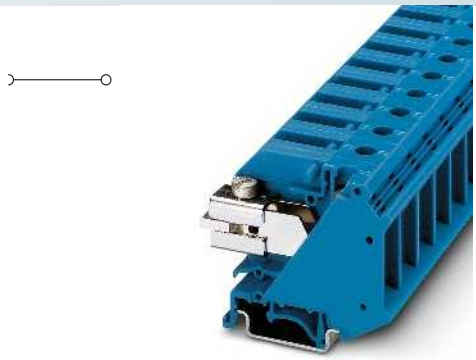
– With screw disconnect slide
– Same shape as feed-through, ground conductor, and installation terminal blocks

Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



16 (25) mm², 90 A, neutral disconnect terminal block



35 (35) mm², 110 A, neutral disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12**	**43.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**12**	**43.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		90	**400**	**2.5 - 25**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	76 / 16	-	-	-
Rated cross section	[mm²]	16	-	-	-
Cross section range	AWG	12 - 4	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
2 conductors (of the same type)	[mm²]	1.5 - 6	1.5 - 4	1.5 - 6	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.75 - 10
General data					
Stripping length	[mm]	11			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	**UIKN 16 BU**		**3006166**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm², 10 mm wide	blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² Solid, 14.3 mm wide	blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.8 mm	blue	**D-UK 4/10 BU**		**3003101**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	**UAB**		**3032428**	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	**AB/NS**		**1201141**	10
Screwdriver		**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove marking		**ZB 10 (see Catalog 5)**			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**15**	**55**	**51**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**15**	**55**	**56**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		110	**400**	**0.75 - 35**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	110 / 35	-	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	18 - 2	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
2 conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.75 - 6
General data					
Stripping length	[mm]	16			
Terminal point: thread / torque	- / [Nm]	M6 / 3.2 - 3.7			
Disconnect slide: thread / torque	- / [Nm]	M5 / 2.5 - 3			
Insulating material		PA			
Inflammability class according to UL 94		V2			

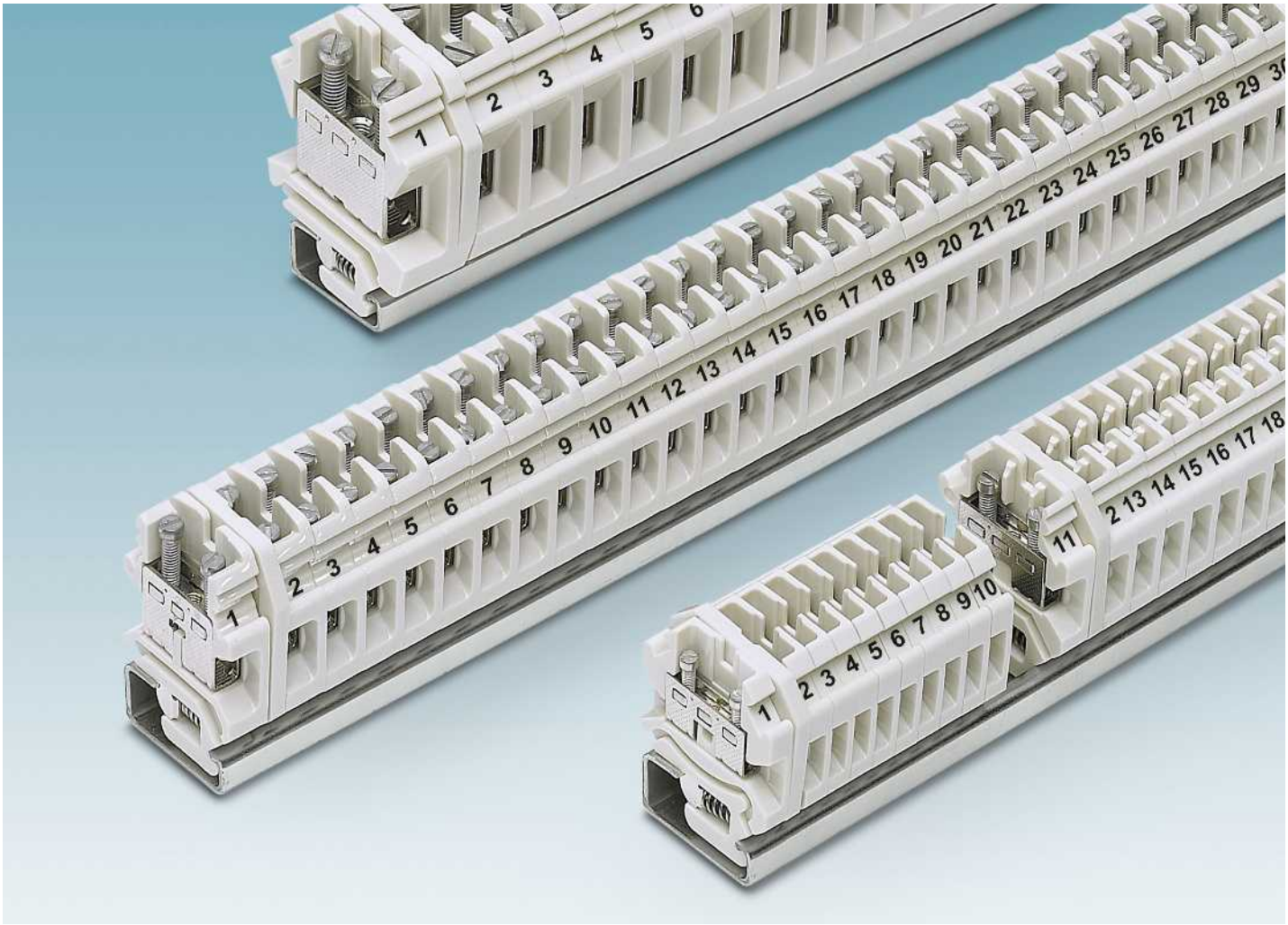
Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	**UIKN 35 BU**		**3034015**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm², 10 mm wide	blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² Solid, 14.3 mm wide	blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.8 mm	blue	**D-UK 4/10 BU**		**3003101**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	**UAB**		**3032428**	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	**AB/NS**		**1201141**	10
Screwdriver		**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove marking		**ZB 10 (see Catalog 5)**			

Ceramic terminal blocks SSK





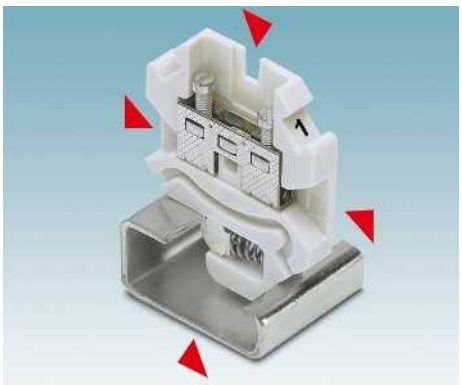
Safe in all applications

The SSK terminal blocks with ceramic isolation approved as standard for areas at risk of explosion are recommended for use anywhere with tough operating conditions, especially in terms of temperature and chemical aggressiveness.



For high-temperature applications

One of the key features of the ceramic terminal blocks is that they can be used continuously at high temperatures of up to 220°C. They are recommended for sites with high thermal requirements and extreme changes in temperature.



Compact design

Given the space-saving design, SSK ceramic terminal blocks are ideally suited to control systems in tight spaces.

Ceramic feed-through terminal blocks SSK ...

- Compact design
- Mounting on G DIN rail NS 32
- Secure snapping into place using snap lock in terminal block foot
- Simple potential distribution thanks to chain bridging

Notes:

[1]) For information on installation and using accessories for Ex applications, see page 602.



2.5 (4) mm², 32 A, feed-through terminal block

Ex: KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data

Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**38**	**48**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		32	**690**	**0.2 - 4**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	690	-	600	440
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	20 / -	32 / 4
Rated cross section	[mm²]	2.5	-	-	0.2-4
Cross section range	AWG	24 - 12	-	22-12	24 - 12
Connection capacity screw connection		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		Keramik			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32...		white	**SSK 0525 KER-EX**		**0501059**	50

Accessories[1])

Cover, width 4.2 mm		white	**D-SSK 0525 KER**		**0201061**	50
Chain bridge, with screw	1	silver	**KB- 6**	34 A	**0201472**	100
End clamp, for DIN rail NS 32		silver	**E/1**		**1201044**	100
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 6 (see Catalog 5)**			

Ceramic feed-through terminal blocks SSK ...

– Compact design
– Mounting on G DIN rail NS 32
– Secure snapping into place using snap lock in terminal block foot
– Simple potential distribution thanks to chain bridging

Notes:

[1]) For information on installation and using accessories for Ex applications, see page 602.



6 (10) mm², 57 A, feed-through terminal block

Ex: KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data

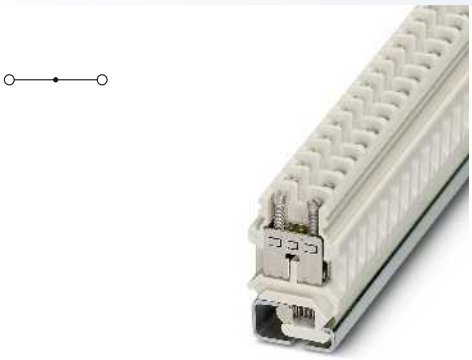
Dimensions				
	[mm]	Width	Length	Height NS 32
		8.4	**38**	**51**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		57	**800**	**0.5 - 10** / **-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	Ex IEC/EN 60079-7
Rated voltage	[V]	800	-	600	440
Nominal current / cross section	[A] / [mm²]	41 / 6	-	55 / -	40 / 6
Rated cross section	[mm²]	6	-	-	0.5-6
Cross section range	AWG	20 - 8	-	26-8	20 - 8
Connection capacity screw connection		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		Keramik			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32...		white	**SSK 110 KER-EX**		**0502058**	50

Accessories[1])

Cover, width 4.2 mm		white	**D-SSK 110 KER**		**0202060**	50
Chain bridge, with screw	1	silver	**KB- 8**	43 A	**0202206**	100
End clamp, for DIN rail NS 32		silver	**E/1**		**1201044**	100
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 8 (see Catalog 5)**			



10 (16) mm², 76 A, feed-through terminal block

Ex:
KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data

Width	Length	Height NS 32	
10.4	**38**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
76	**630**	**0.5 - 16**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
630	-	600	440
57 / 10	-	80 / -	57 / 10
10	-	-	0.5-10
20 - 6	-	24-6	20 - 6
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 6
11			
M4			
1.5 - 1.8			
Keramik			

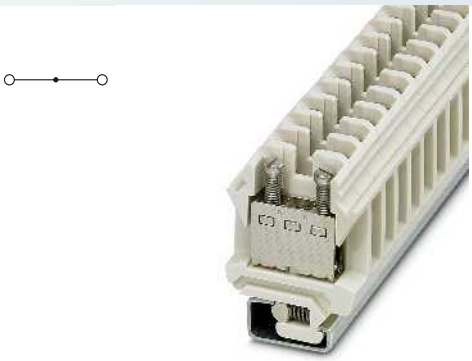
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
SSK 116 KER-EX		**0503057**	50

Accessories[1])

D-SSK 116 KER		**0203069**	50
KB- 10	57 A	**0203205**	100
E/1		**1201044**	100
SZS 1,0X4,0 VDE		**1205066**	10

ZB 10 (see Catalog 5)



35 (35) mm², 125 A, feed-through terminal block

Ex:
KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data

Width	Length	Height NS 32	
15.3	**53**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
125	**800**	**1 - 35**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	-	-	690
125 / 35	-	-	101 / 25
35	-	-	1.0-25
18 - 2	-	-	18 - 2
Solid	Stranded	Ferrule without/with plastic sleeve	
1 - 35	1 - 25	0.75 - 25	0.75 - 16
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 10
16			
M6			
3.2 - 3.7			
Keramik			

Ordering data

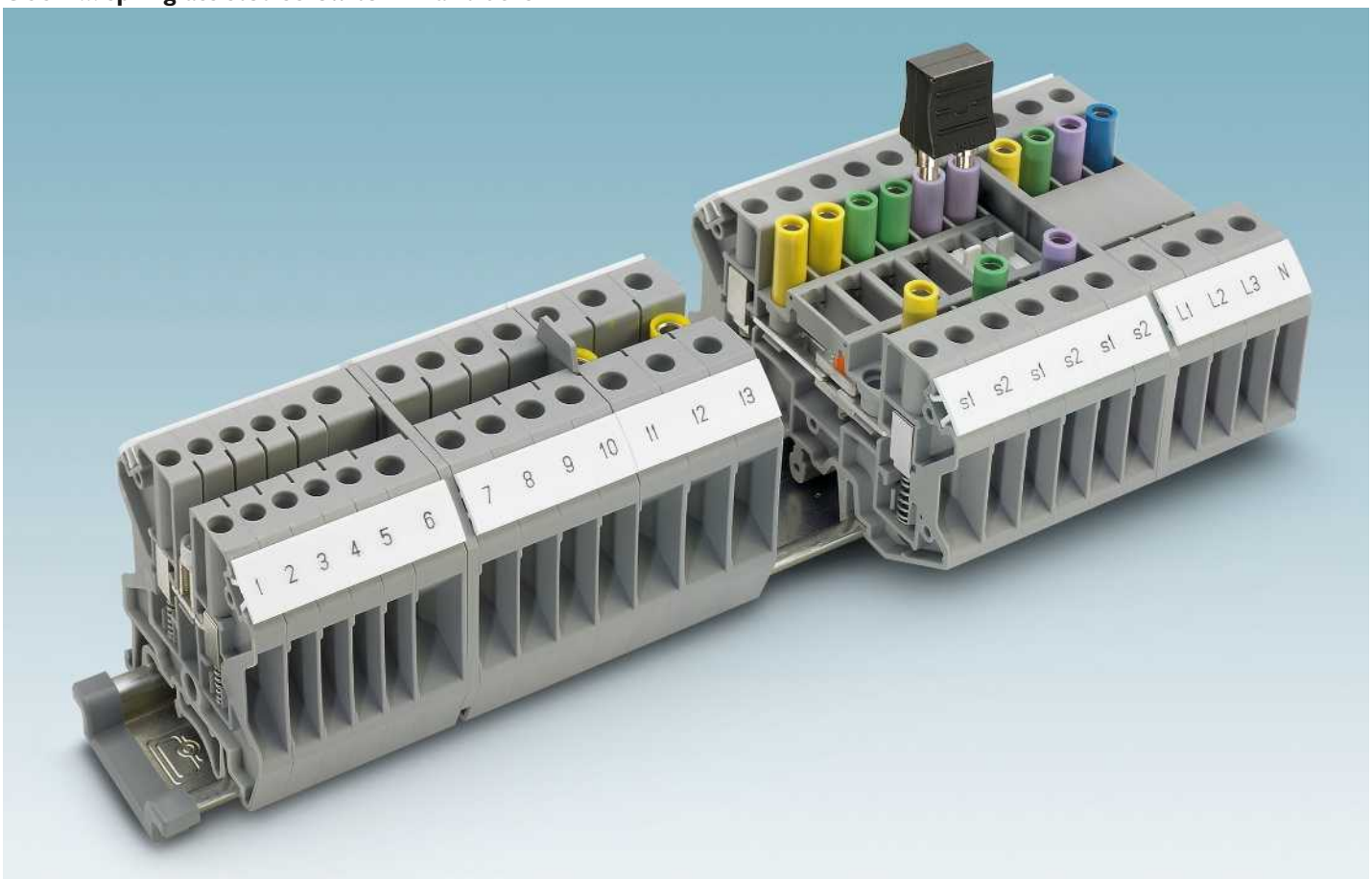
Type	I_{max}	Order No.	Pcs. / Pkt.
SSK 135 KER-EX		**0505055**	10

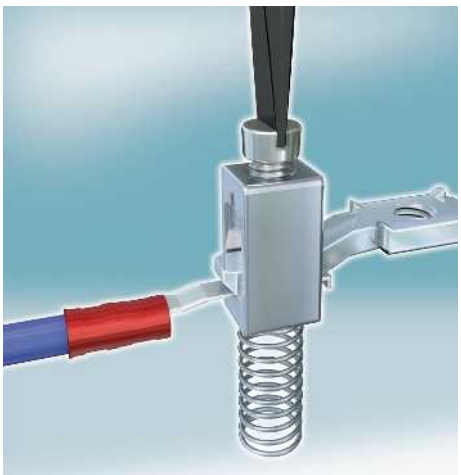
Accessories[1])

D-SSK 135 KER		**0205067**	50
KBI- 15	108 A	**0205203**	10
E/1		**1201044**	100
SZS 1,0X4,0 VDE		**1205066**	10

ZB 15 (see Catalog 5)

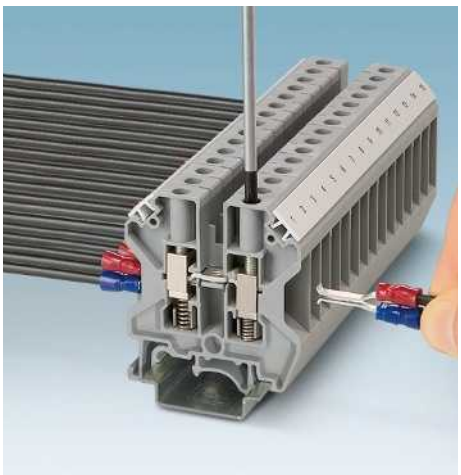
USST ... spring-assisted screw terminal blocks





Spring-assisted screw connection

The opened terminal block body is pressed down to make contact with the conductor.
Tightening the terminal screw produces the perfect electric connection.



Hooked cable lug

This cable lug is shaped like a hook, allowing it to lock in the spring in the terminal block body for a secure connection.



Test accessories

The familiar test, switching, and bridging accessories from Phoenix Contact are used in the USST terminal blocks.

Spring-assisted feed-through terminal block USST 4

- The USST... terminal blocks were developed especially for use in the energy supply sector
- When combined with hook-type cable lugs, the spring-assisted screw terminal blocks optimally meet the technical requirements of ENATS 50-18
- Universal foot for mounting on NS 32 and or NS 35 DIN rails
- The bridge bar isolator switching jumpers ISSBI ... enable switchable cross connections with IS-K ... . The screw functions as a current-carrying switching element
- Large marking option of every terminal point

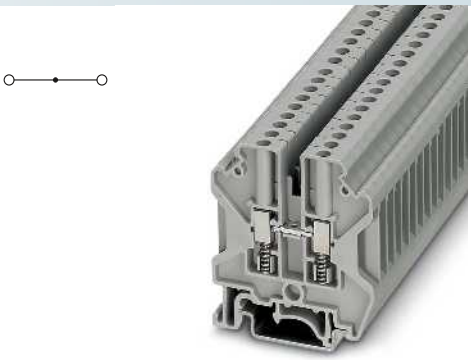
Space-saving conductor connection

The flat-ribbon cable lugs with C-BCI ... SO hooks enable vertical crimping (see figure below), which means that conductors in the nominal cross-section can be wired without loss of pitch in a way that saves space. Further information about flat-ribbon cable lugs with hooks can be found at phoenixcontact.net/products.



Notes:

Corresponding flat-ribbon cable lugs with C-BCI ... hooks can be found in Catalog 5 or at phoenixcontact.net/products



4 (6) mm², 41 A, feed-through terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**52**	**57.3**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**52**	**62.3**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	41	**500**	**0.2 - 6**	**24-10**
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	32 / 4	30 / -	-	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	24-10	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**USST 4**		**3070338**	50

Accessories

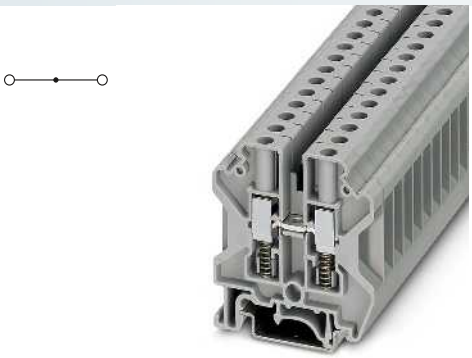
Cover, width 2.2 mm		gray	**D-USST 4/10**		**3070370**	50
Partition plate, 2 mm wide		gray	**TPNS-UK**		**0706647**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	38 A	**0203250**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	30 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**		**3070383**	50
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			

Spring-assisted feed-through terminal block USST 6 and USST 10

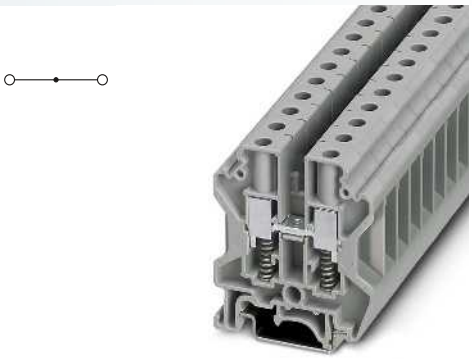
– Terminal blocks USST 4 to USST 10 are of the same shape

Notes:

For other test sockets, see page 505.



6 (10) mm², 57 A, feed-through terminal block



10 (16) mm², 76 A, feed-through terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**8.2**	**52**	**57.3**		
Dimensions	Width	Length	Height NS 32		
[mm]	**8.2**	**52**	**62.3**		
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
	57	**500**	**0.2 - 10**	**24-10**	
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	500	600	-	-	
Nominal current / cross section [A] / [mm²]	41 / 6	30 / -	-	-	
Rated cross section [mm²]	6	-	-	-	
Cross section range AWG	24 - 8	24-10	-	-	
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve		
1 conductor [mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6	
2 conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-	
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 4	
General data					
Stripping length [mm]	12				
Screw thread	M4				
Tightening torque [Nm]	1.5 - 1.8				
Insulating material	PA				
Inflammability class according to UL 94	V0				

Technical data

Width	Length	Height NS 35/7,5			
10.2	**52**	**57.3**			
Width	Length	Height NS 32			
10.2	**52**	**62.3**			
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)		
76	**500**	**0.5 - 16**	**20-6**		
IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7		
500	600	-	-		
57 / 10	65 / -	-	-		
10	-	-	-		
20 - 6	20-6	-	-		
Solid	Stranded	Ferrule without/with plastic sleeve			
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6		
0.5 - 4	0.5 - 4	0.5 - 2.5	-		
-	-	-	0.5 - 6		
12					
M4					
1.5 - 1.8					
PA					
V0					

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6**		**3070341**	50
Accessories						
Cover, width 2.2 mm		gray	**D-USST 4/10**		**3070370**	50
Partition plate, 2 mm wide		gray	**TPNS-UK**		**0706647**	50
Fixed bridge, insulated	10	silver	**FBI 10- 8**	52 A	**0203263**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 8**	38 A	**0301534**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		**1303337**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**		**3070383**	50
Test socket, for test connection with test plug PS		silver	**PSB 4/7/6**		**0303299**	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread		transparent				
		blue				
		yellow				
		green				
		violet				
		red				
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		**0311540**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch		black	**KSS 4- 8**		**0309549**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove marking			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USST 10		**3070354**	50
Accessories			
D-USST 4/10		**3070370**	50
TPNS-UK		**0706647**	50
FBI 10-10	70 A	**0203276**	10
ISSBI 10-10	41 A	**0301521**	10
IS-K 10		**1303337**	100
TS-USST 4/10		**3070383**	50
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 FARBLOS		**0303419**	10
PSBJ 4/15/6 BU		**0303354**	10
PSBJ 4/15/6 YE		**0303367**	10
PSBJ 4/15/6 GN		**0303370**	10
PSBJ 4/15/6 VT		**0303383**	10
PSBJ 4/15/6 RD		**0303325**	10
KSS 10		**0310541**	10
KSS 4-10		**0308540**	10
SZS 1,0X4,0 VDE		**1205066**	10
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)			

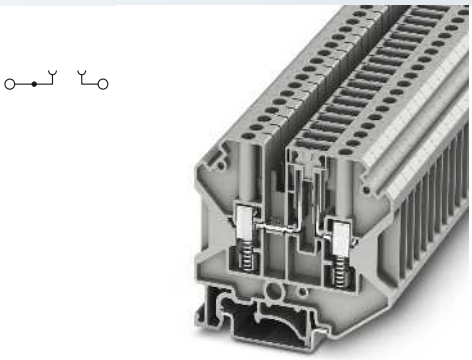
Spring-assisted disconnect and knife disconnect terminal blocks

- Standardized disconnect zone
- Various function plugs are available for use in the disconnect terminal blocks
- For corresponding function plugs, see page 350

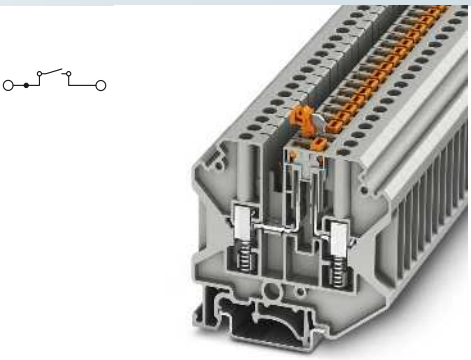
Notes:

[1]) $U_{max.}$ 300 V.

Corresponding flat-ribbon cable lugs with C-BCI ... hooks can be found in Catalog 5 or at phoenixcontact.net/products



4 (6) mm², 20 A, disconnect terminal block, 2 connections



4 (6) mm², 20 A, knife disconnect terminal block, 2 connections

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.4**	**57.3**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.4**	**62.3**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	20	**500**	**0.2 - 6**	**-**
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	-	-	-
Nominal current / cross section [A] / [mm²]	20 / 4	-	-	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	-	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.4**	**57.3**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.4**	**62.3**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	20	**500**	**0.2 - 6**	**-**
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	-	-	-
Nominal current / cross section [A] / [mm²]	20 / 4	-	-	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	-	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**USST 4-TG**		**3070301**	50
With test socket screws[1])		gray	**USST 4-TG P/P**		**3070303**	50

Accessories

Cover, width 2.2 mm		gray	**D-USST 4-MT**	**3070304**	50
Partition plate, 2 mm wide		gray	**TPNS-UK**	**0706647**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6** 38 A	**0203250**	10
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6** 30 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**	**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**	**3070383**	50
Test socket		silver	**PSB 3/10/4**	**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**	**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Screwdriver, for disconnect slide and test socket			**SZG 0,6X3,5 VDE**	**1205121**	10
Lateral groove marking			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**		

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USST 4-MT		**3070300**	50
USST 4-MT P/P		**3070302**	50

Accessories

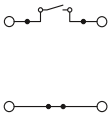
D-USST 4-MT		**3070304**	50
TPNS-UK		**0706647**	50
FBI 10- 6	38 A	**0203250**	10
ISSBI 10- 6	30 A	**0301505**	10
IS-K 4		**1302338**	100
TS-USST 4/10		**3070383**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
SZG 0,6X3,5 VDE		**1205121**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			

Spring-assisted test disconnect and feed-through terminal blocks

– The USST 6-T test disconnect terminal block has been developed specifically for use in current transformer secondary circuits
– Can be fitted on both sides with fixed bridges as well as test sockets with a 4 mm diameter
– Terminal block and accessories were designed to be touch-proof as per BGV A2.

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:
For more test sockets, visit phoenixcontact.net/products
For more short-circuit plugs, visit phoenixcontact.net/products





6 (10) mm², 57 A, test disconnect terminal block

Technical data

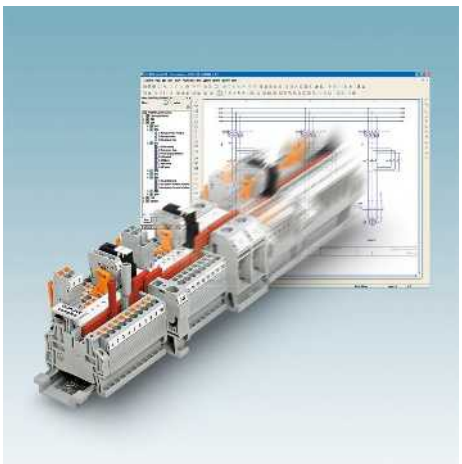
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**82**	**52**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**82**	**57**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		57	**500**	**0.2 - 10** / **24-10**
Rated data		IEC 60947-7-1 IEC	UL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	600	-
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	-
Rated cross section	[mm²]	6	-	-
Cross section range	AWG	24 - 8	24-10	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6 / 0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 4
General data				
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6-T**		**3070312**	50
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray				

Accessories

Cover, width 2.2 mm		gray	**D-USST 6-T**		**3070367**	50
Fixed bridge, insulated	10	silver	**FBRI 10-8 N**	45 A	**2772080**	10
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white	**S-URTK/SP**		**0311155**	50
Test socket, insulated		transparent	**PSBJ-URTK 6 FARBLOS**		**3026450**	10
		blue	**PSBJ-URTK 6 BU**		**3026434**	10
		yellow	**PSBJ-URTK 6 YE**		**3026405**	10
		green	**PSBJ-URTK 6 GN**		**3026418**	10
		violet	**PSBJ-URTK 6 VT**		**3026421**	10
		black	**PSBJ-URTK 6 BK**		**3026447**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		**0311540**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch		black	**KSS 4- 8**		**0309549**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Screwdriver, for disconnect slide and test socket			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			





6 (10) mm², 57 A, feed-through terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**82**	**52**	
Width	Length	Height NS 32	
8.2	**82**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**500**	**0.2 - 10**	**24-10**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	-	-
41 / 6	30 / -	-	-
6	-	-	-
24 - 8	24-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 4
12			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USSTD 6		**3070325**	50

Accessories

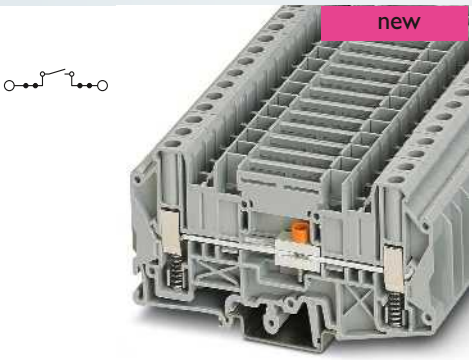
D-USST 6-T		**3070367**	50
FBRI 10-8 N	45 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
KSS 8		**0311540**	10
KSS 4- 8		**0309549**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

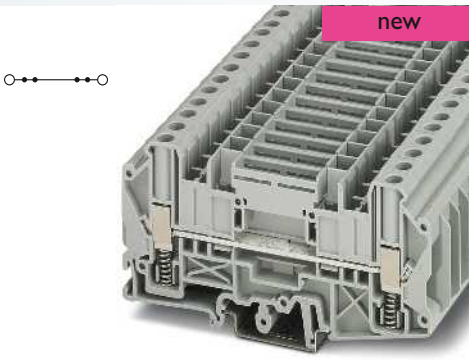
Spring-assisted test disconnect and feed-through terminal blocks

Notes:

[1]) For additional test sockets, visit phoenixcontact.net/products



6 (10) mm², 50 A, test disconnect terminal block



6 (10) mm², 50 A, feed-through terminal block, same shape

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**8.2**	**105.2**	**53**		
Dimensions	Width	Length	Height NS 32		
[mm]	**8.2**	**105.2**	**58**		
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
	50	**1000**	**0.2 - 10**	**20-8**	
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	1000	600	-	-	
Nominal current / cross section [A] / [mm²]	41 / 6	50	-	-	
Rated cross section [mm²]	6	-	-	-	
Cross section range AWG	24 - 8	20-8	-	-	
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve		
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.2 - 6	0.25 - 6	
2 conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-	
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	-	
General data					
Stripping length [mm]	12				
Screw thread	M4				
Tightening torque [Nm]	1.5 - 1.8				
Insulating material	PA				
Inflammability class according to UL 94	V0				

Technical data

Width	Length	Height NS 35/7,5			
8.2	**105.2**	**53**			
Width	Length	Height NS 32			
8.2	**105.2**	**58**			
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)		
50	**1000**	**0.2 - 10**	**20-8**		
IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7		
1000	600	-	-		
41 / 6	50	-	-		
6	-	-	-		
24 - 8	20-8	-	-		
Solid	Stranded	Ferrule without/with plastic sleeve			
0.2 - 10	0.2 - 10	0.2 - 6	0.25 - 6		
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-		
-	-	-	-		
12					
M4					
1.5 - 1.8					
PA					
V0					

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6-T/SP**		**3070330**	50
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USSTD 6/SP		**3070331**	50

Accessories

Cover, width 2.2 mm		gray	**D-UT 6-T/SP**		**3072816**	50
Jumper						
	2	red	**FBS 2-8**	41 A	**3030284**	10
	3	red	**FBS 3-8**	41 A	**3030297**	10
	10	red	**FBS 10-8**	41 A	**3030323**	10
Switching jumper						
	2	orange	**SB 6-T 2-8**	32 A	**3075842**	10
	3	orange	**SB 6-T 3-8**	32 A	**3075843**	10
	4	orange	**SB 6-T 4-8**	32 A	**3075844**	10
Switching jumper, complete with test sockets						
	2	orange	**SBP-TB 6-T 2-8**	20 A	**3070321**	10
	3	orange	**SBP-TB 6-T 3-8**	20 A	**3070322**	10
	4	orange	**SBP-TB 6-T 4-8**	20 A	**3070323**	10
Isolator bridge bar, 10-pos.						
	10	silver	**SCBI 10-8,15 ISO**		**3000417**	10
Test socket		silver	**TPS 3/20/5**		**3246586**	10
Test socket, insulated[1])		gray	**PSBJ 6-T GY**		**3070316**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		**0311540**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch		black	**KSS 4- 8**		**0309549**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Screwdriver, for disconnect slide and test socket			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

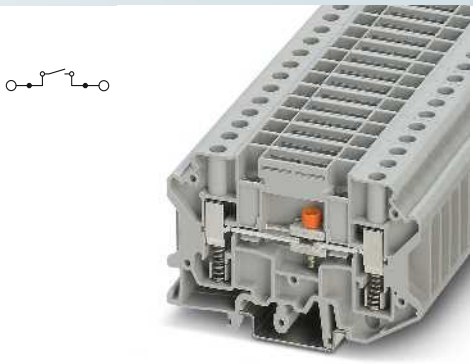
Accessories

D-UT 6-T/SP		**3072816**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 10-8	41 A	**3030323**	10
SB 6-T 2-8	32 A	**3075842**	10
SB 6-T 3-8	32 A	**3075843**	10
SB 6-T 4-8	32 A	**3075844**	10
SBP-TB 6-T 2-8	20 A	**3070321**	10
SBP-TB 6-T 3-8	20 A	**3070322**	10
SBP-TB 6-T 4-8	20 A	**3070323**	10
SCBI 10-8,15 ISO		**3000417**	10
TPS 3/20/5		**3246586**	10
PSBJ 6-T GY		**3070316**	10
KSS 8		**0311540**	10
KSS 4- 8		**0309549**	10
SZS 1,0X4,0 VDE		**1205066**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

Lateral groove marking	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**

Spring-assisted test disconnect and feed-through terminal blocks

Notes:
1) When the switching jumper is used, $U_{max.}$ is reduced to 400 V.
2) For additional test sockets, visit phoenixcontact.net/products



6 (10) mm², 57 A, test disconnect terminal block, for accommodating switching jumpers, 2 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**82**	**52**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**8.2**	**82**	**57**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		57	**500¹)**	**0.2 - 10**	**24-10**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500¹)	600	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	24-10	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 4
General data					
Stripping length	[mm]	12			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

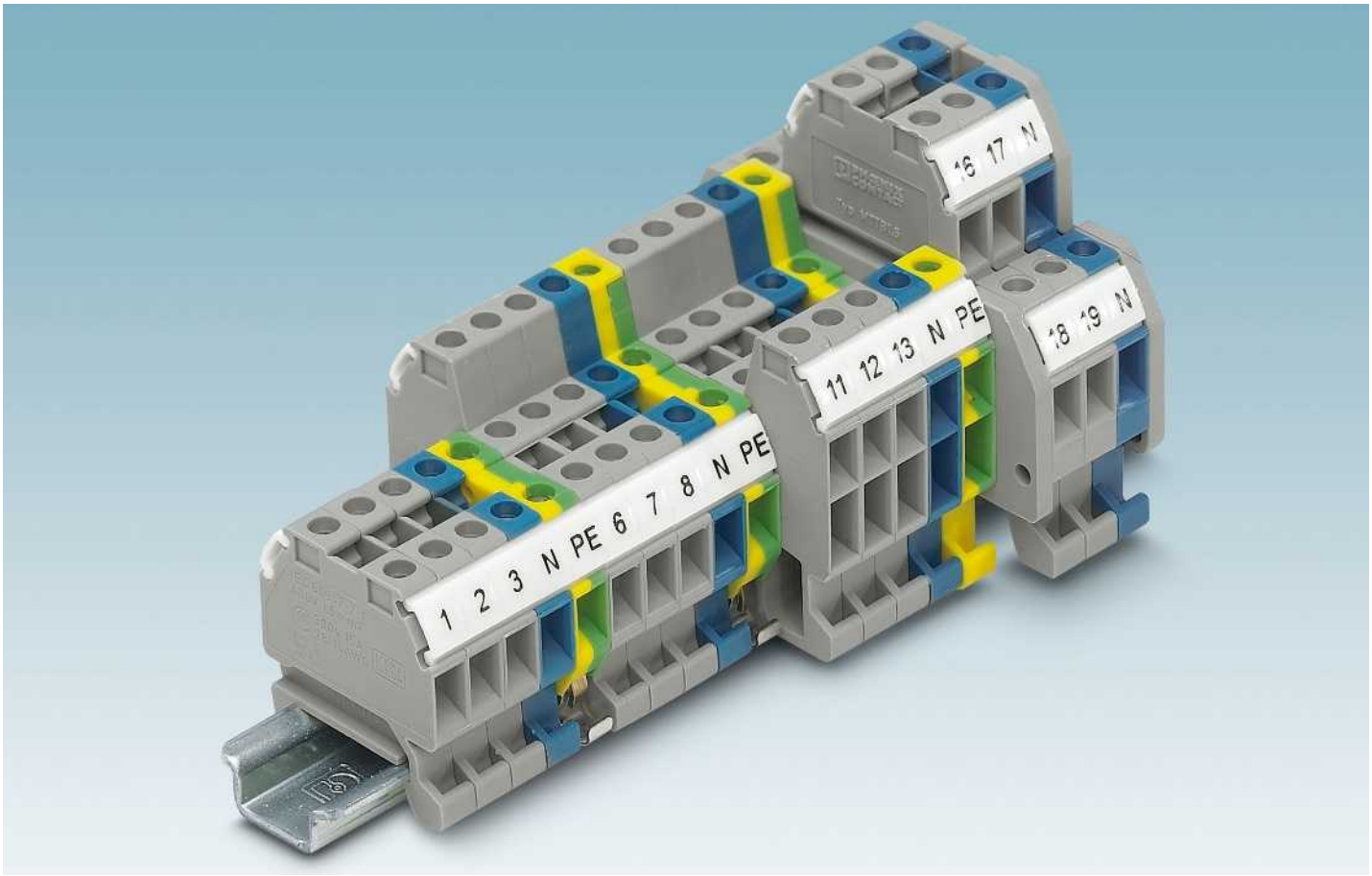
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6-T/SB**		**3070310**	50

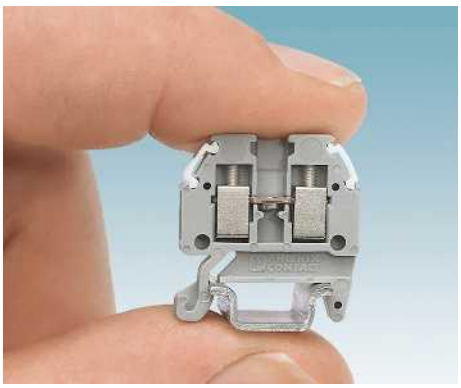
Accessories

Cover, width 2.2 mm		gray	**D-USST 6-T**		**3070367**	50
Switching jumper						
	2	orange	**SB 6-T 2-8**	32 A	**3075842**	10
	3	orange	**SB 6-T 3-8**	32 A	**3075843**	10
	4	orange	**SB 6-T 4-8**	32 A	**3075844**	10
Switching jumper, complete with test sockets						
	2	orange	**SBP-TB 6-T 2-8**	20 A	**3070321**	10
	3	orange	**SBP-TB 6-T 3-8**	20 A	**3070322**	10
	4	orange	**SBP-TB 6-T 4-8**	20 A	**3070323**	10
Fixed bridge, 10-pos.						
	10	silver	**SCBI 10-8,15**	30 A	**3245134**	10
Isolator bridge bar, 10-pos.						
	10	silver	**SCBI 10-8,15 ISO**	24 A	**3000417**	10
Test socket		silver	**TPS 3/20/5**		**3246586**	10
Test socket, insulated²)		gray	**PSBJ 6-T GY**		**3070316**	10
		brown	**PSBJ 6-T BN**		**3070317**	10
		black	**PSBJ 6-T BK**		**3070318**	10
		red	**PSBJ 6-T RD**		**3070319**	10
		orange	**PSBJ 6-T OG**		**3070320**	10
		white	**PSBJ 6-T WH**		**3070324**	10
		yellow	**PSBJ 6-T YE**		**3070326**	10
		green	**PSBJ 6-T GN**		**3070327**	10
		violet	**PSBJ 6-T VT**		**3070328**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		**0311540**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Screwdriver, for disconnect slide and test socket			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

Lateral groove marking	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**

MT... miniature terminal blocks





Miniature terminal blocks

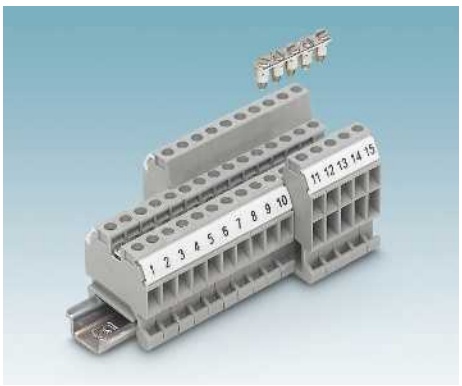
The miniature screw terminal blocks The MT may be tiny but they can be marked and bridged just like their larger cousins. With a pitch of 4.2 mm and a connection cross section of 1.5 mm², they permit convenient wiring in confined spaces.



Universal and zero-maintenance

The screw connection of the MT miniature terminal blocks is characterized by three main features.

– Global standard
– Multiple conductor connection
– Zero maintenance thanks to Reakdyn principle.



Continuous potential distribution

Potential branching is one of the most common tasks in control unit construction. The MT miniature terminal blocks are available as three and four-conductor terminal blocks. A large number of switching tasks can be undertaken in the terminal strip with the linear bridge shaft.

MT... miniature feed-through terminal block for NS 15 DIN rail

Their compact design means that the the micro MT 1,5 terminals can keep pace with the growing need for ever smaller switch boxes

The miniature terminal blocks have everything that makes the terminal blocks stand out:

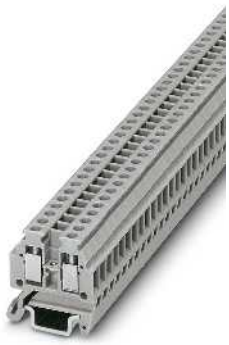
– Overall width of just 4.2 mm
– Nominal cross section of 1.5 mm²
– Snap-on foot for DIN rails NS 15
– Numerous marking options
– Bridging facility in terminal center.

Potential branching is one of the main tasks of terminal blocks in control unit construction.

– The three or four-conductor terminal blocks MT 1,5–TWIN or MT 1,5–QUATTRO undertake this work in very confined spaces
– The MUT ... miniature terminal blocks can be found in section on 4 mm² UT... screw connection terminal blocks
– The amount of space saved is maximized with the double-level micro terminal MTTB 1,5
– This double-level terminal block contains two feed-through levels which can be bridged independently of one another
– Can be used on both the 15 mm DIN rail NS 15 and the 35 mm DIN rail NS 35

Notes:

For mini screw terminal blocks with jumpers, see page 39



1.5 (1.5) mm², 17.5 A, feed-through terminal block

CCA

Ex:

Technical data

Dimensions		Width	Length	Height NS 15	
	[mm]	**4.2**	**22**	**23.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		17.5	**400**	**0.14 - 1.5**	**30-14**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

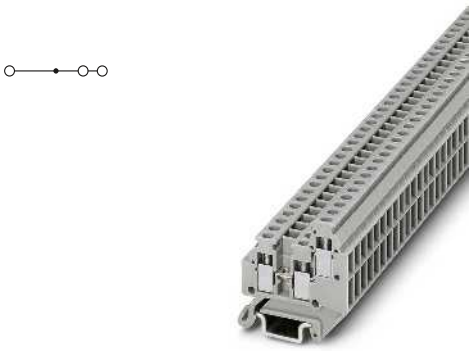
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15 according to EN 60715		gray	**MT 1,5**		**3100305**	50
		blue	**MT 1,5 BU**		**3003363**	50

Accessories

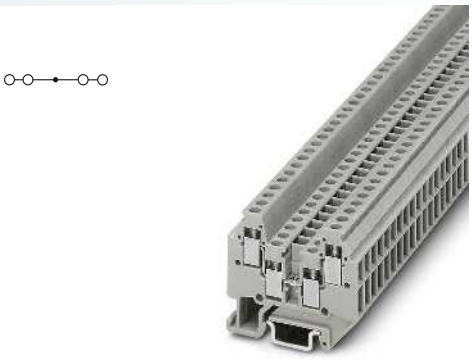
Cover, width 1 mm		gray	**D-MT 1,5**		**3100321**	50
		blue	**D-MT 1,5 BU**		**3025529**	50
Fixed bridge, insulated	10	silver	**FBRN 10-4 N**	12 A	**3001624**	10
Screwdriver			**SZS 0,4X2,5 VDE**		**1205037**	10
Lateral groove marking			**ZBF 4 (see Catalog 5)**			

Miniature feed-through terminal block with 3 and 4 connections MT..., for NS 15 DIN rail

– Overall width of just 4.2 mm
– Nominal cross section of 1.5 mm²
– Snap-on foot for DIN rails NS 15
– Numerous marking options
– Bridging facility in terminal center.



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections



1.5 (1.5) mm², 16 A, feed-through terminal block, 4 connections

CCA

CCA

Technical data

Dimensions		Width	Length	Height NS 15	
	[mm]	**4.2**	**28**	**30**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		17.5	**400**	**0.14 - 1.5**	**30-14**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Width		Length	Height NS 15		
4.2		**33.5**	**30**		
$I_{max.}$ [A]		$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
16		**400**	**0.14 - 1.5**	**30-14**	
IEC 60947-7-1 IEC		UL	CSA	IEC/ EN 60079-7	
400		300	300	-	
16 / 1.5		15 / -	15 / -	-	
1.5		-	-	-	
26 - 16		30-14	28-14	-	
Solid		Stranded	Ferrule without/with plastic sleeve		
0.14 - 1.5		0.14 - 1.5	0.25 - 0.75	0.25 - 0.75	
0.14 - 0.5		0.14 - 0.5	0.25 - 0.34	-	
6					
M2					
0.22 - 0.25					
PA					
V0					

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15 according to EN 60715		gray	**MT 1,5-TWIN**		**3001682**	50
		blue	**MT 1,5-TWIN BU**		**3025532**	50

Accessories

Cover, width 1 mm		gray	**D-MT 1,5-TWIN**		**3002979**	50
		blue				
Fixed bridge, insulated						
	10	silver	**FBRN 10-4 N**	12 A	**3001624**	10
Screwdriver			**SZS 0,4X2,5 VDE**		**1205037**	10
Lateral groove marking			**ZBF 4 (see Catalog 5)**			

Ordering data

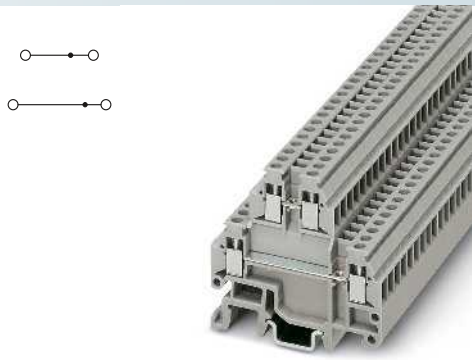
Type	I_{max}	Order No.	Pcs. / Pkt.
MT 1,5-QUATTRO		**3001679**	50
MT 1,5-QUATTRO BU		**3025150**	50

Accessories

D-MT 1,5-QUATTRO		**3002982**	50
D-MT 1,5-QUATTRO BU		**3025309**	50
FBRN 10-4 N	12 A	**3001624**	10
SZS 0,4X2,5 VDE		**1205037**	10
ZBF 4 (see Catalog 5)			

Miniature double-level terminal blocks MTTB 1,5

- Overall width of just 4.2 mm
- Nominal cross section of 1.5 mm²
- Snap-on foot for DIN rails NS 15 and NS 35
- Numerous marking options
- Bridging facility on both levels
- Even if fully wired, the level offset offers unobstructed access to the lower connection level



1.5 (1.5) mm², 17.5 A, double-level terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**4.2**	**44**	**41**	
Dimensions	Width	Length	Height NS 15	
[mm]	**4.2**	**44**	**41**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	17.5	**400**	**0.14 - 1.5**	**30-14**
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-
Rated cross section [mm²]	1.5	-	-	-
Cross section range AWG	26 - 16	30-14	28-14	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type) [mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data				
Stripping length [mm]	6			
Screw thread	M2			
Tightening torque [Nm]	0.22 - 0.25			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

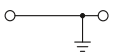
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35 according to EN 60715		gray	**MTTB 1,5**		**1414129**	50
		blue	**MTTB 1,5 BU**		**3000926**	50

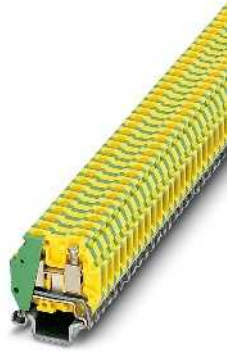
Accessories

Cover, width 1 mm		gray	**D-MTTB 1,5**		**3002665**	50
		gray	**DG-MTTB 1,5**		**3002678**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2 mm thick		gray	**DP-MTTB 1,5**		**3002681**	50
Fixed bridge, insulated	10	silver	**FBRN 10-4 N**	12 A	**3001624**	10
Screwdriver			**SZS 0,4X2,5 VDE**		**1205037**	10
Lateral groove marking			**ZBF 4 (see Catalog 5)**			

Miniature ground terminals MT ...-PE, for NS 15 DIN rails

– Same shape and pitch as the feed-through terminal blocks
– The MT ...-PE fulfill all requirements of the IEC 60947-7-2 standard
  These are in particular:
– Low contact resistances
– Green-yellow housing
– Corrosion-proof terminal points
– Captive clamping screws.





1.5 (1.5) mm², ground terminal

CCA

Ex:

Technical data

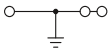
Dimensions		Width	Length	Height NS 15	
	[mm]	**4.2**	**22**	**23.5**	
Max. electrical data				Max. Ø [mm²]	AWG (UL)
				0.14 - 1.5	**30-14**
Rated data		IEC 60947-7-2 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Inflammability class according to UL 94		V0			

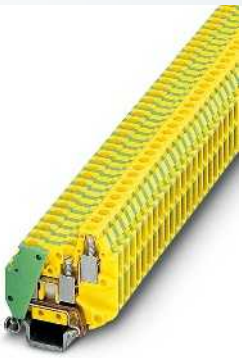
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal, for mounting on NS 15	green-yellow	**MT 1,5-PE**	**3100318**	50

Accessories

Screwdriver		**SZS 0,4X2,5 VDE**	**1205037**	10
Lateral groove marking		**ZBF 4 (see Catalog 5)**		





1.5 (1.5) mm², ground terminal, 3 connections

CCA

Technical data

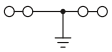
Width	Length	Height NS 15	
4.2	**28**	**30**	
		Max. Ø [mm²]	AWG (UL)
		0.14 - 1.5	**30-14**
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

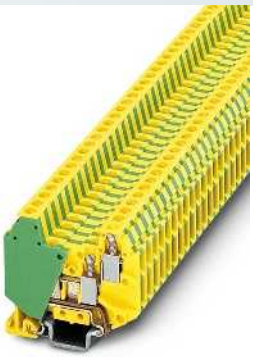
Ordering data

Type	Order No.	Pcs. / Pkt.
MT 1,5-TWIN-PE	**3001705**	50

Accessories

SZS 0,4X2,5 VDE	**1205037**	10
ZBF 4 (see Catalog 5)		





1.5 (1.5) mm², ground terminal, 4 connections

CCA

Technical data

Width	Length	Height NS 15	
4.2	**33.5**	**30**	
		Max. Ø [mm²]	AWG (UL)
		0.14 - 1.5	**30-14**
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MT 1,5-QUATTRO-PE	**3001695**	50

Accessories

SZS 0,4X2,5 VDE	**1205037**	10
ZBF 4 (see Catalog 5)		

MBK ... miniature feed-through terminal blocks

- The MBK ... and MSLKG ... terminal blocks represent the top end of the mini terminal block range for 15 mm NS 15 DIN rails
- MBK ... terminal blocks can be bridged in the terminal center
- Lateral marking with ZB zack marker strip terminal marking for tall marker groove
- Cross sections of up to 6 mm² can be easily wired
- Extensive bridging material, such as fixed bridges, insertion bridges, and switchable bridges, enable simple and reliable potential branching
- A separating disk, partition plate, and test socket complete the range of accessories
- The MUT ... miniature terminal blocks can be found in the section on 4 mm² UT... screw connection terminal blocks

Notes:

For 2.5 mm² mini screw terminal blocks with jumpers, see page 39.

For 4 mm² mini screw terminal blocks with jumpers, see page 51.

[1]) For information on installation and using accessories for Ex applications, see page 602.



6 (10) mm², 57 A, feed-through terminal block

Ex:

KEMA 01ATEX2134U / IECEx KEM 07.0008U

Technical data

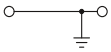
Dimensions					
	[mm]	Width	Length	Height NS 15	
		8.2	**35**	**36**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		57	**500**	**0.5 - 10**	**26-8**
Rated data		IEC 60947-7-1 IEC	UL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	275
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / -	37 / 6
Rated cross section	[mm²]	6	-	-	0.5-6
Cross section range	AWG	20 - 8	26-8	26-8	20 - 8
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	6	4	-	-
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

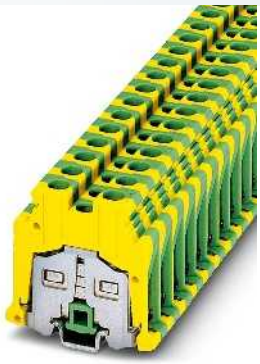
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal, for mounting on NS 15		gray	**MBK 6/E**		**0552024**	50
Ground terminal, for mounting on NS 15		green-yellow				

Accessories[1])

Cover, width 1.5 mm		gray	**D-MBK 6/E**		**1413049**	50
Insertion bridge, fully insulated						
	2	gray	**EB 2- 8**	43 A	**0202154**	100
	3	gray	**EB 3- 8**	43 A	**0202141**	100
	4	gray	**EB 4- 8**	43 A	**0202142**	100
	10	gray	**EB 10- 8**	43 A	**0202138**	10
Fixed bridge, insulated						
	10	silver	**FBI 10- 8**	48 A	**0203263**	10
Switching jumper for 2 terminal blocks, complete, mounted with short or long link according to required separation						
	2	silver	**SB 2- 8/13**	43 A	**0202235**	1
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		**1303337**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Partition plate, for visual and electrical separation of terminal groups, 2.5 mm thick		gray	**ATP-MBK**		**1413227**	50
Test socket, for test connection with test plug PS		silver	**PSB 4/7/6**		**0303299**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove marking			**ZB 8 (see Catalog 5)**			





6 (10) mm², ground terminal

Ex:
KEMA 01ATEX2134U / IECEx KEM 07.0008U

Technical data

Width	Length	Height NS 15	
8.2	**39**	**36**	
		Max. Ø [mm²]	AWG (UL)
		0.5 - 10	**26-8**
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	- / 6
6	-	-	0.5-6
20 - 8	26-8	26-8	20 - 8
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.2 - 2.5	0.5 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-

10
M4
1.5 - 1.8
PA
V2

Ordering data

Type	Order No.	Pcs. / Pkt.
MSLKG 6	**1410505**	50

Accessories[1])

SZS 1,0X4,0 VDE	**1205066**	10

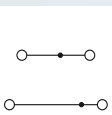
ZB 8 (see Catalog 5)

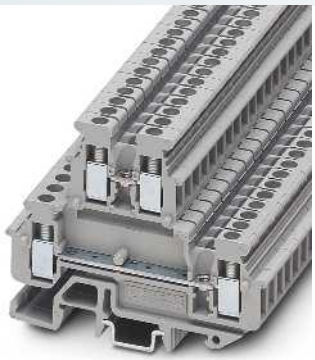
Mini double-level terminal blocks MBKKB 2,5...

– The miniature double-level terminal block is characterized by its space-saving, low height, and offset levels
– Fixed bridges and test sockets can be inserted on both levels

Notes:

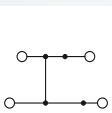
[1]) For information on installation and using accessories for Ex applications, see page 602.

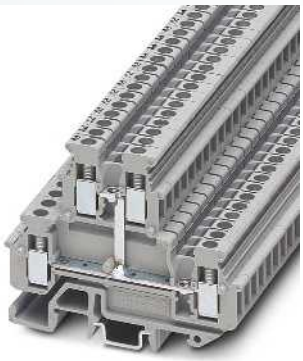




2.5 (4) mm², 24 A, double-level terminal block

Ex: KEMA 03ATEX2082 U / IECEx KEM 07.0018U





2.5 (4) mm², 24 A, double-level terminal block, internally connected levels

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**5.2**	**62**	**48**		
Dimensions	Width	Length	Height NS 15		
[mm]	**5.2**	**62**	**47.5**		
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
	24	**500**	**0.2 - 4**	**30-12**	
	IEC 60947-7-1			Ex	
Rated data	IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	500	300	300	275	
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5	
Rated cross section [mm²]	2.5	-	-	0.2-2.5	
Cross section range AWG	24 - 12	30-12	28-12	24 - 12	
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve		
1 conductor [mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1	
Max. cross section with insertion bridge [mm²]	2.5	2.5	-	-	
General data					
Stripping length [mm]	7				
Screw thread	M3				
Tightening torque [Nm]	0.5 - 0.6				
Insulating material	PA				
Inflammability class according to UL 94	V2				

Technical data

Width	Length	Height NS 35/7,5		
5.2	**62**	**48**		
Width	Length	Height NS 15		
5.2	**62**	**47.5**		
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
24	**500**	**0.2 - 4**	**30-12**	
IEC 60947-7-1				
IEC	UL	CSA	IEC/ EN 60079-7	
500	300	-	-	
24 / 2.5	20 / -	-	-	
2.5	-	-	-	
24 - 12	30-12	-	-	
Solid	Stranded	Ferrule without/with plastic sleeve		
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
-	-	-	0.5 - 1	
2.5	2.5	-	-	
7				
M3				
0.5 - 0.6				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... according to EN 60715		gray	**MBKKB 2,5**		**1414064**	50
		blue	**MBKKB 2,5 BU**		**1414077**	50
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... according to EN 60715, with equipotential bonding between the levels		gray				
		blue				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MBKKB 2,5-PV		**2800583**	50
MBKKB 2,5-PV BU		**1414132**	50

Accessories[1])

Cover, width 2.5 mm		gray	**D-MBKKB 2,5**		**1413052**	50
		blue	**D-MBKKB 2,5 BU**		**1413081**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-MBKKB 2,5**		**1413065**	50
Fixed bridge, insulated						
	2	silver	**FBRNI 2-5 N**	22 A	**3000175**	10
	3	silver	**FBRNI 3-5 N**	22 A	**3000162**	10
	4	silver	**FBRNI 4-5 N**	22 A	**3000159**	10
	10	silver	**FBRNI 10-5 N**	22 A	**2770639**	10
Insertion bridge, for 5.2 mm pitch, fully insulated						
	2	gray	**EB 2- 5**	20 A	**1401158**	100
	3	gray	**EB 3- 5**	20 A	**1401145**	100
	10	gray	**EB 10- 5**	20 A	**1401132**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3 SO**		**2778534**	50
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 5 (see Catalog 5)**			

Accessories[1])

Type	I_{max}	Order No.	Pcs. / Pkt.
D-MBKKB 2,5		**1413052**	50
D-MBKKB 2,5 BU		**1413081**	50
DP-MBKKB 2,5		**1413065**	50
FBRNI 2-5 N	22 A	**3000175**	10
FBRNI 3-5 N	22 A	**3000162**	10
FBRNI 4-5 N	22 A	**3000159**	10
FBRNI 10-5 N	22 A	**2770639**	10
EB 2- 5	20 A	**1401158**	100
EB 3- 5	20 A	**1401145**	100
EB 10- 5	20 A	**1401132**	10
TS-KK 3 SO		**2778534**	50
PSB 3/10/4		**0601292**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 5 (see Catalog 5)			

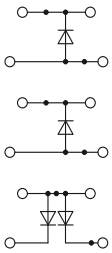
Mini double-level diode terminal blocks MBKKB 2,5...

– Thanks to the different versions of double-level diode terminal blocks, it is possible to carry out a great variety of switching tasks
– The following can be realized in tight spaces: Free-wheeling diode circuits, lamp test circuits, reporting and fault reporting circuits

Notes:

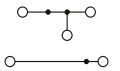
1) Data is based on the electric strength of adjacent terminal blocks or of the DIN rail.

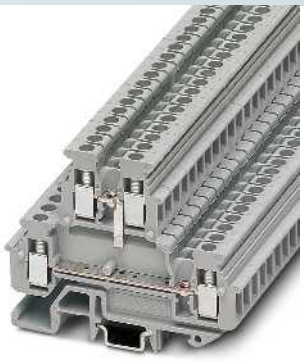
2) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A





With integrated diode 1N 4007





2.5 (4) mm², 24 A, double-level terminal block for soldering in components

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**62**	**48**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**62**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		24	**500[1])**	**0.2 - 4**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	2.5	2.5	-	-
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated diode, conducting from top to bottom[2])		gray	**MBKKB 2,5-DIO/O-U**		**2800567**	50
Terminal block, with integrated diode, conducting from bottom to top[2])		gray	**MBKKB 2,5-DIO/U-O**		**2800570**	50
Terminal block, with integrated diode, conducting from top to bottom left and from top to bottom right[2])		gray	**MBKKB 2,5-2DIO/O-UL/O-UR**		**3003871**	50
Terminal block, component can be soldered in		gray				

Accessories

Cover, width 2.5 mm		gray	**D-MBKKB 2,5**		**1413052**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-MBKKB 2,5**		**1413065**	50
Fixed bridge, insulated						
	2	silver	**FBRNI 2-5 N**	22 A	**3000175**	10
	3	silver	**FBRNI 3-5 N**	22 A	**3000162**	10
	4	silver	**FBRNI 4-5 N**	22 A	**3000159**	10
	10	silver	**FBRNI 10-5 N**	22 A	**2770639**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove marking			**ZB 5 (see Catalog 5)**			

Technical data

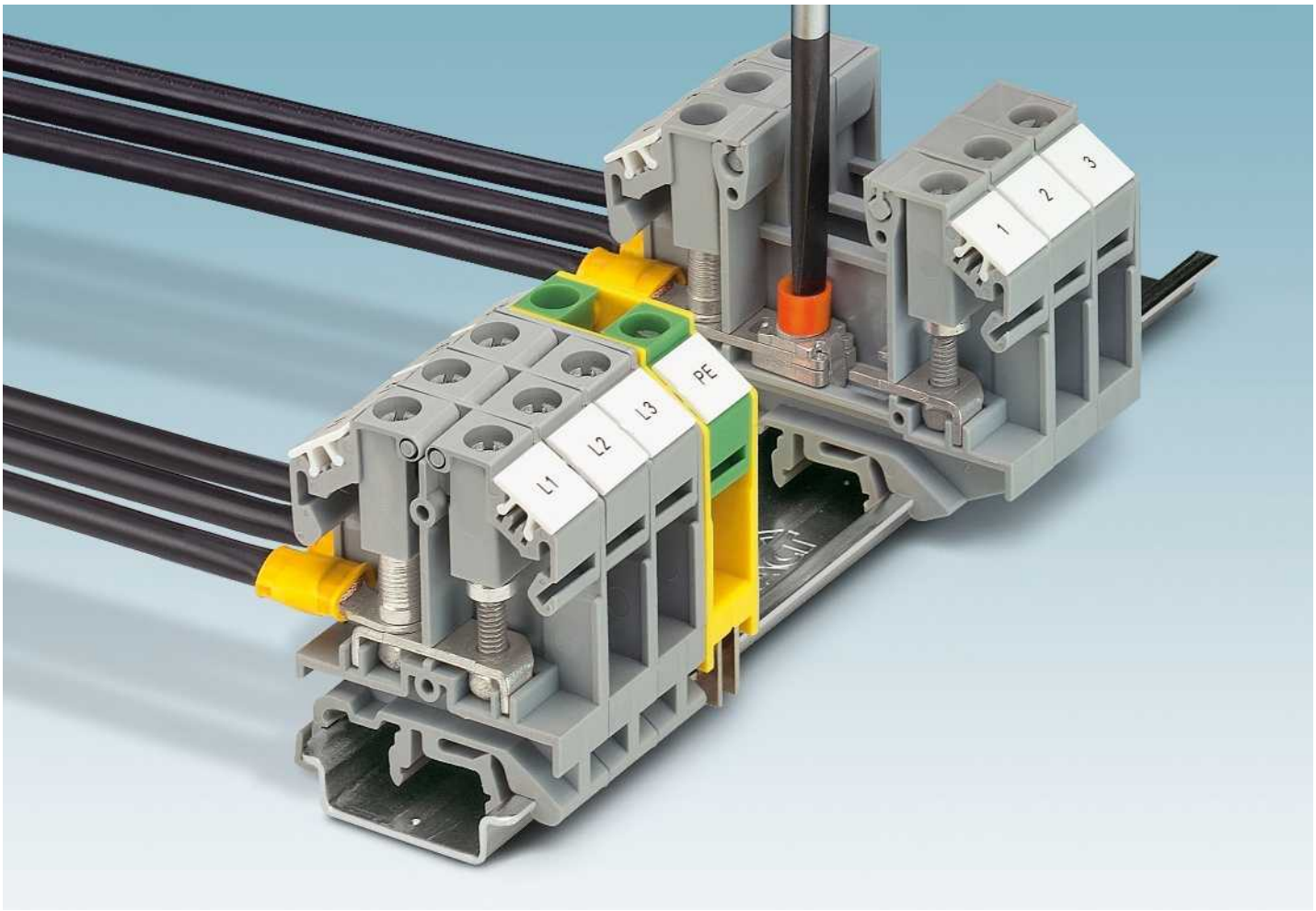
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**62**	**48**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**62**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		24	**500[1])**	**0.2 - 4**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	2.5	2.5	-	-
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

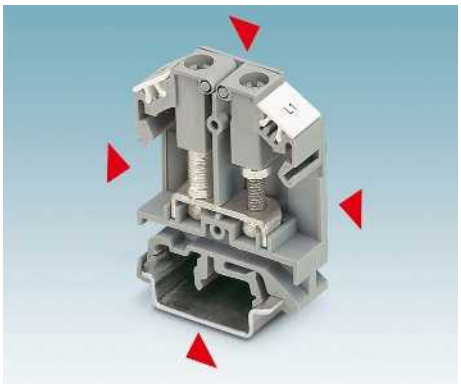
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MBKKB 2,5-BE		**1414103**	50

Accessories

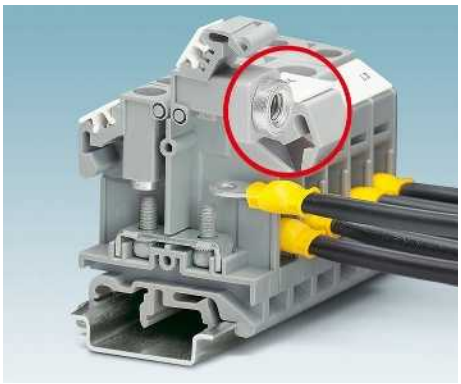
D-MBKKB 2,5		**1413052**	50
DP-MBKKB 2,5		**1413065**	50
FBRNI 2-5 N	22 A	**3000175**	10
FBRNI 3-5 N	22 A	**3000162**	10
FBRNI 4-5 N	22 A	**3000159**	10
FBRNI 10-5 N	22 A	**2770639**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 5 (see Catalog 5)			





Space-saving design

Thanks to their compact type, OTTA bolt connection terminal blocks are ideally suited for switchgear, in which space is limited.



Fast, convenient conductor connection

The key feature of this range is the hinged cover which can be swung up and which features a captive cap nut. This guarantees quick and easy ring cable lug wiring.



Integrated shock protection

In addition to securing the cap nuts, the hinged cover offers simultaneous shock protection when using insulated ring cable lugs.

OTTA ... feed-through terminal blocks and ground terminals

- Convenient and fast conductor connection with captive cap nuts
- Safe use, even in applications which are subject to the most stringent requirements regarding shock and vibration
- Space-saving, compact design
- Integrated screw locking



2.5 (2.5) mm², 24 A, feed-through terminal block



2.5 (2.5) mm², ground terminal

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**9**	**43.5**	**45.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**9**	**43.5**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		24	**800**	**0.1 - 2.5**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 14	-	22-14	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
Color code	red	1.50 mm²			
	blue	2.50 mm²			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
General data					
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**OTTA 2,5**		**0790530**	50
With test socket screws		gray	**OTTA 2,5-P/P**		**0790543**	50
Ground terminal, for mounting on NS 35...		green-yellow				

Accessories

Cover, width 1.5 mm		gray	**D-OTTA 2,5**		**0790569**	50
Insertion bridge						
	2	gray	**EB 2-OTTA 2,5**	24 A	**3026065**	10
	3	gray	**EB 3-OTTA 2,5**	24 A	**3026078**	10
	4	gray	**EB 4-OTTA 2,5**	24 A	**3026081**	10
	5	gray	**EB 5-OTTA 2,5**	24 A	**3026094**	10
	6	gray	**EB 6-OTTA 2,5**	24 A	**3026104**	10
	7	gray	**EB 7-OTTA 2,5**	24 A	**3026117**	10
	10	gray	**EB 10-OTTA 2,5**	24 A	**3026120**	10
Partition plate, for visual and electrical separation of terminal groups, 1,5 mm thick		gray	**ATP-OTTA 2,5**		**0790572**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Lateral groove marking			**ZB 8 (see Catalog 5)**			

Technical data

Width	Length	Height NS 35/7,5		
10	**43.5**	**45.5**		
Width	Length	Height NS 32		
10	**43.5**	**50.5**		
		Max. Ø [mm²]	AWG (UL)	
		0.1 - 2.5	**-**	
IEC 60947-7-2 IEC	UL	CSA	IEC/ EN 60079-7	
-	-	-	-	
-	-	-	-	
2.5	-	-	-	
26 - 14	-	22-14	-	
0.1 - 2.5				
3 / 3.2 / 7.6				
0.5 - 2.5				
3 / 3.2 / 7.6				
M3				
0.6 - 0.8				
PA				
V2				

Ordering data

Type	Order No.	Pcs. / Pkt.
OTTA 2,5-PE	**0790556**	50

Accessories

EB 2-OTTA 2,5	**3026065**	10	
EB 3-OTTA 2,5	**3026078**	10	
EB 4-OTTA 2,5	**3026081**	10	
EB 5-OTTA 2,5	**3026094**	10	
EB 6-OTTA 2,5	**3026104**	10	
EB 7-OTTA 2,5	**3026117**	10	
EB 10-OTTA 2,5	**3026120**	10	
ATP-OTTA 2,5	**0790572**	50	
SZS 0,6X3,5	**1205053**	10	
ZB 8 (see Catalog 5)			

OTTA ... feed-through terminal blocks and ground terminals

– Convenient and fast conductor connection with captive cap nuts
– Safe use, even in applications which are subject to the most stringent requirements regarding shock and vibration
– Space-saving, compact design
– Integrated screw locking



6 (6) mm², 41 A, feed-through terminal block

Technical data

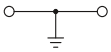
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**11**	**43.5**	**52**
Dimensions		Width	Length	Height NS 32
	[mm]	**11**	**43.5**	**57**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] AWG (UL)
		41	**800**	**0.1 - 6** **-**
Rated data		IEC 60947-7-1 IEC	UL	CSA IEC/ EN 60079-7
Rated voltage	[V]	800	600	600 -
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	30 / - -
Rated cross section	[mm²]	6	-	- -
Cross section range	AWG	26 - 10	-	22 - 10 -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	0.1 - 6		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6		
Color code	red	1.50 mm²		
	blue	2.50 mm²		
	yellow	6.00 mm²		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6		
General data				
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**OTTA 6**		**0790433**	50
With test socket screws		gray	**OTTA 6-P/P**		**0790404**	50
Ground terminal, for mounting on NS 35...		green-yellow				
Terminal block, for mounting on NS 35...		gray				
With M6 screws		gray				

Accessories

Cover, width 1.5 mm		gray	**D-OTTA 6**		**0790417**	50
Cover, width 2 mm		gray				
Insertion bridge						
	2	gray	**EB 2- OTTA 6**	41 A	**0790608**	10
	3	gray	**EB 3-OTTA 6**	41 A	**3026036**	10
	4	gray	**EB 4-OTTA 6**	41 A	**3026049**	10
	7	gray	**EB 7-OTTA 6**	41 A	**3026052**	10
	10	gray	**EB 10- OTTA 6**	41 A	**0790420**	10
Partition plate, for visual and electrical separation of terminal groups, 1,5 mm thick		gray	**ATP-OTTA 2,5**		**0790572**	50
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
Lateral groove marking			**ZB 8 (see Catalog 5)**			





6 (6) mm², ground terminal



25 (25) mm², 101 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
12	**43.5**	**52**	
Width	Length	Height NS 32	
12	**43.5**	**57**	
		Max. Ø [mm²]	AWG (UL)
		0.1 - 6	**-**

IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	30	-	-
6	-	-	-
26 - 10	-	22 - 10	-

0.1 - 6
4 / 4.3 / 9.6

0.5 - 2.5
4 / 4.3 / 9.6
M4
1.5 - 1.8
PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
OTTA 6-PE	**0790527**	50

Accessories

EB 2- OTTA 6	**0790608**	10
EB 3-OTTA 6	**3026036**	10
EB 4-OTTA 6	**3026049**	10
EB 7-OTTA 6	**3026052**	10
EB 10- OTTA 6	**0790420**	10
SZS 1,0X6,5 VDE	**1205079**	10

ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
18	**60**	**64.5**	
Width	Length	Height NS 32	
18	**60**	**69.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
101	**800**	**0.1 - 25**	**-**

IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	600	-
101 / 25	115 / -	100 / -	-
25	-	-	-
26 - 4	-	18 - 4	-

0.1 - 25
5 / 5.3 / 16

1 - 6
5 / 5.3 / 16
M5
2.5 - 3
PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
OTTA 25-M5	**0790488**	50
OTTA 25-M6	**0790491**	50

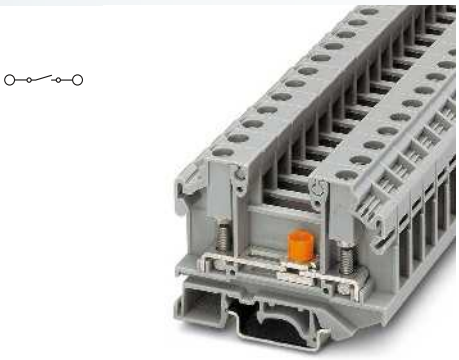
Accessories

D-OTTA 25	**0790514**	50
ATP-OTTA 25	**0790501**	50
SZS 1,0X6,5 VDE	**1205079**	10

ZB 10 (see Catalog 5)

OTTA 6-T... test disconnect terminal blocks





6 (6) mm², 36 A, test disconnect terminal block

- Easy and clear testing in measuring transducer secondary circuits can be performed using the OTTA 6-T... test disconnect terminal blocks
- Compact design
- Switching jumpers with and without test sockets

Technical data

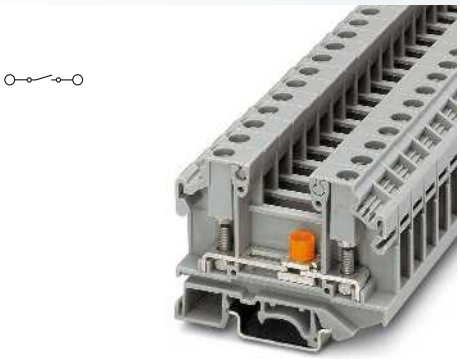
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		11	**69**	**52**
Dimensions		Width	Length	Height NS 32
	[mm]	**11**	**69**	**57**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		36	**800**	**0.1 - 6** / **-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	36 / 6	30 / -	25 / -	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	26 - 10	-	22 - 10	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 6			
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6			
Color code	red	1.50 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6			
General data					
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Disconnect slide: thread / torque	- / [Nm]	M4 / 0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

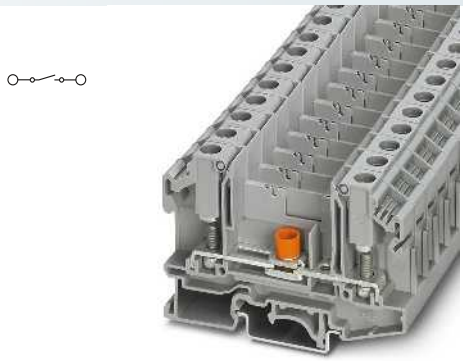
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35...		gray	**OTTA 6-T**		**0790446**	50
Terminal block, with test socket screws, for mounting on NS 35...		gray				
Disconnect terminal block, with test socket screws, for accommodating switching jumpers, for mounting on NS 35...		gray				

Accessories

Cover, width 1.5 mm		gray	**D-OTTA 6-T**		**0790459**	50
Insertion bridge						
	2	gray	**EB 2- OTTA 6**	36 A	**0790608**	10
	3	gray	**EB 3-OTTA 6**	36 A	**3026036**	10
	4	gray	**EB 4-OTTA 6**	36 A	**3026049**	10
	7	gray	**EB 7-OTTA 6**	36 A	**3026052**	10
	10	gray	**EB 10- OTTA 6**	36 A	**0790420**	10
Switching jumper						
	2	silver				
Switching lock, plug-in		white	**S-OTTA 6-T**		**0311199**	50
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
Lateral groove marking			**ZB 10 (see Catalog 5)**			



6 (6) mm², 36 A, test disconnect terminal block, with test socket screws



6 (6) mm², 41 A, test disconnect terminal block, with test socket screws, for accommodating switching jumpers

Technical data

Width	Length	Height NS 35/7,5	
11	**69**	**52**	
Width	Length	Height NS 32	
11	**69**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
36	**800**	**0.1 - 6**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	600	-
36 / 6	30 / -	25 / -	-
6	-	-	-
26 - 10	-	22 - 10	-
0.1 - 6 4 / 4.3 / 9.6 1.50 mm² 2.50 mm² 6.00 mm²			
0.5 - 2.5 4 / 4.3 / 9.6			
M4 / 1.5 - 1.8 M4 / 1.2 - 1.4			
PA V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
OTTA 6-T-P/P		**0790462**	50

Accessories

D-OTTA 6-T		**0790459**	50
EB 2- OTTA 6	36 A	**0790608**	10
EB 3-OTTA 6	36 A	**3026036**	10
EB 4-OTTA 6	36 A	**3026049**	10
EB 7-OTTA 6	36 A	**3026052**	10
EB 10- OTTA 6	36 A	**0790420**	10
S-OTTA 6-T		**0311199**	50
SZS 1,0X6,5 VDE		**1205079**	10

ZB 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
11	**79.2**	**52**	
Width	Length	Height NS 32	
11	**79.2**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
41	**1000**	**0.1 - 6**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
1000	600	-	-
41 / 6	30 / -	-	-
6	-	-	-
26 - 10	-	-	-
0.1 - 6 4 / 4.3 / 9.6 1.50 mm² 2.50 mm² 6.00 mm²			
0.5 - 2.5 4 / 4.3 / 9.6			
M4 / 1.5 - 1.8 M4 / 1.2 - 1.4			
PA V0			

Ordering data

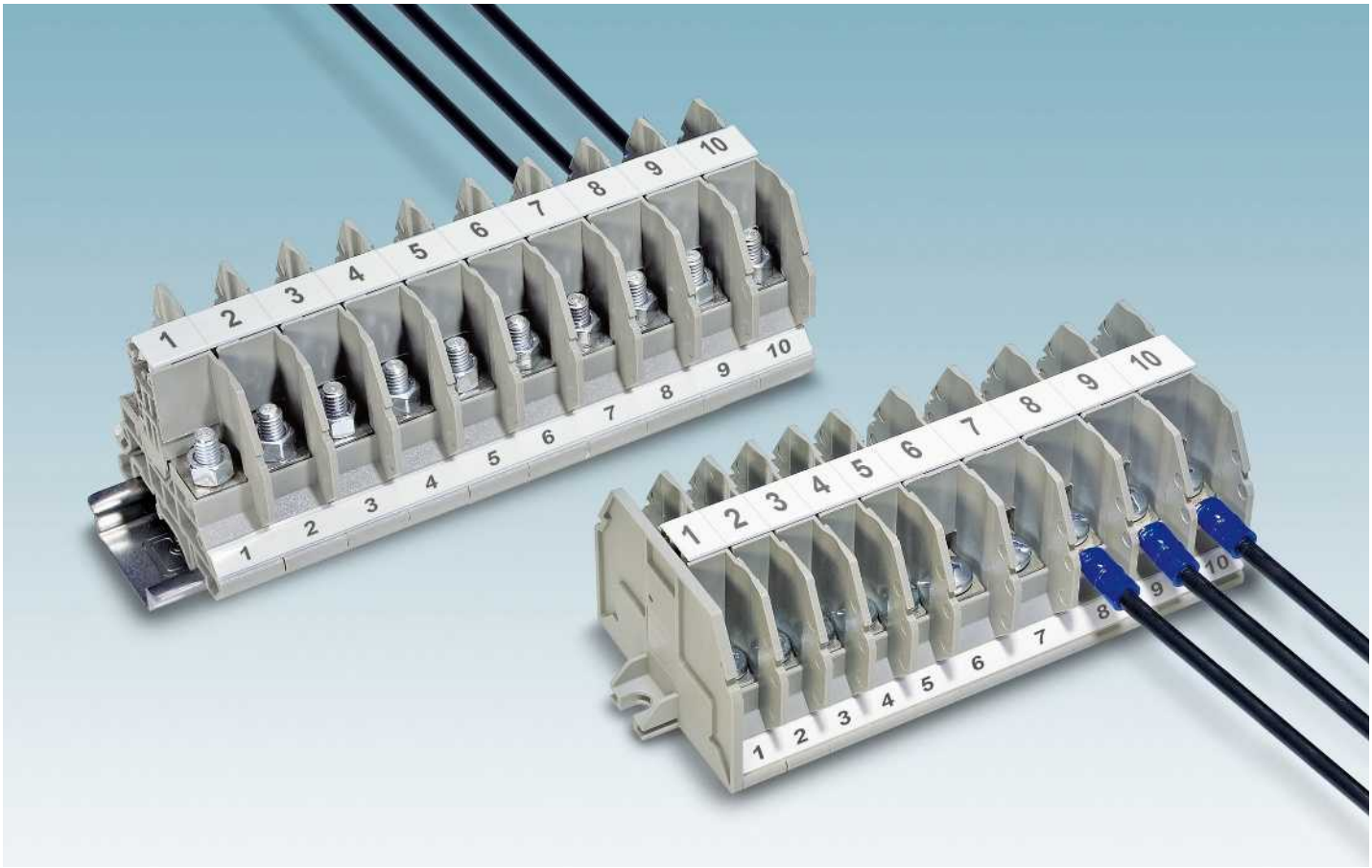
Type	I_{max}	Order No.	Pcs. / Pkt.
OTTA 6-T/SB-P/P		**3001269**	50

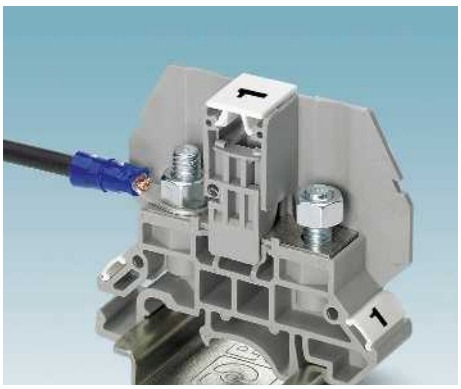
Accessories

D-OTTA/RBO-SB		**3001355**	50
EB 2- OTTA 6	36 A	**0790608**	10
EB 3-OTTA 6	36 A	**3026036**	10
EB 4-OTTA 6	36 A	**3026049**	10
EB 7-OTTA 6	36 A	**3026052**	10
EB 10- OTTA 6	36 A	**0790420**	10
USBR 2-11		**3001356**	50
SZS 1,0X6,5 VDE		**1205079**	10

ZB 10 (see Catalog 5)

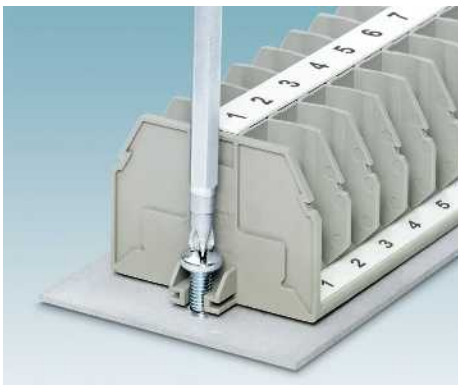
Bolt connection and screw terminal blocks





Extensive program

The RBO product range offers a suitable compact bolt connection terminal block from M5 to M16 for every conductor connection from 0.5 - 300 mm²



Flexible assembly

The bolt connection terminal blocks offer two mounting options:

– Can be snapped onto the conventional EN DIN rails
– Direct mounting on mounting plates



Modular shock protection

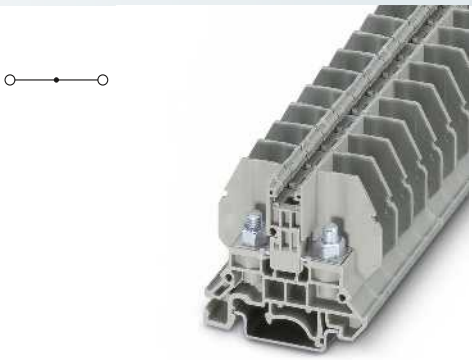
Using the extensive range of accessories, modular shock protection can be implemented easily and according to application requirements.

RBO 5... bolt connection terminals, for M5 ring and fork-type cable lugs

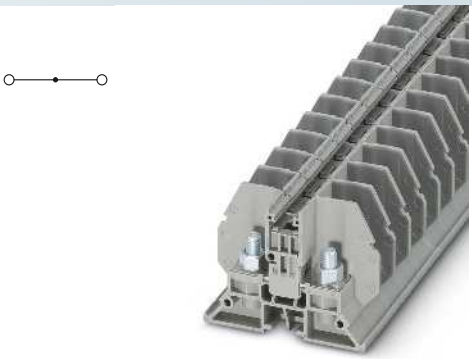
- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching jumper for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes

Notes:

1) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks



10 (10) mm², 57 A, feed-through terminal block for DIN rail mounting



10 (10) mm², 57 A, feed-through terminal block, for direct mounting

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**53.3**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**13**	**53.3**	**52**	
Dimensions		Width	Length	Height	
	[mm]	**13**	**53.3**	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		57	**800**	**0.1 - 10**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	45 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	26 - 8	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 10			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 6			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M5			
Tightening torque	[Nm]	2 - 2.2			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**53.3**	**-**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**13**	**53.3**	**-**	
Dimensions		Width	Length	Height	
	[mm]	**13**	**53.3**	**37**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		57	**800**	**0.1 - 10**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	45 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	26 - 8	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 10			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 6			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M5			
Tightening torque	[Nm]	2 - 2.2			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	**RBO 5**		**3058059**	50
Flange terminal block, for direct mounting, including D–RSC 5–F cover flange		gray				
Flange terminal block, for direct mounting, including D–RSC 5–F cover flange, 4-pos.		gray				
Block, 6-pos.		gray				
Block, 8-pos.		gray				
Block, 12-pos.		gray				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 5-F		**3058062**	50
RBO 5-F/4		**3058237**	1
RBO 5-F/6		**3058240**	1
RBO 5-F/8		**3058253**	1
RBO 5-F/12		**3059252**	1

Accessories

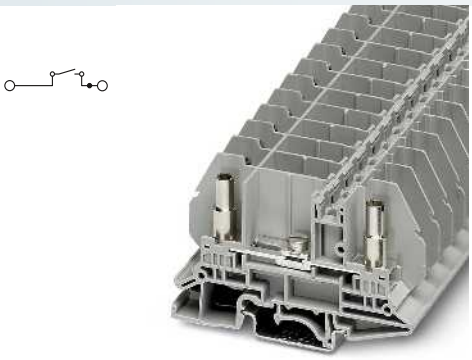
Cover, width 2.2 mm		gray	**D-RSC 5**		**3058020**	50
Cover flange		gray				
Fixed bridge, insulated	10	silver	**FB 10-13**	57 A[1]	**3059126**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-13 ISO**	24 A	**3059663**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC**		**3058017**	10
Socket wrench			**SHN 8**		**1209868**	1
Center groove marking			**ZB 13 (see Catalog 5)**			
Lateral groove marking			**ZBF 13 (see Catalog 5)**			

Accessories

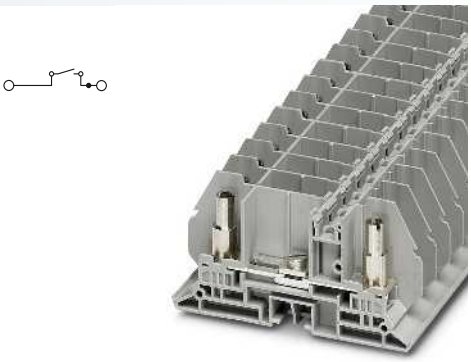
D-RSC 5-F		**3059647**	50
FB 10-13	57 A[1]	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC		**3058017**	10
SHN 8		**1209868**	1
ZB 13 (see Catalog 5)			
ZBF 13 (see Catalog 5)			

Test disconnect terminal block with bolt connection RBO 5-T..., for M5 ring- and fork-type cable lugs

- Connection screws with 4 mm test connection
- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching jumper for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes



10 (10) mm², 50 A, test disconnect terminal block



10 (10) mm², 50 A, test disconnect terminal block, for direct mounting

Notes:

1) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks

2) Rated voltage for 630 V open disconnect point

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**79.9**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**13**	**79.9**	**52**	
Dimensions		Width	Length	Height	
	[mm]	**13**	**79.9**	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		50	**800²)**	**0.1 - 10**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800²)	600	-	-
Nominal current / cross section	[A] / [mm²]	50 / 10	45 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	26 - 8	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 10			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 6			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Disconnect slide: thread / torque	- / [Nm]	M4 / 1.2 - 1.4			
Bolt thread		M5			
Tightening torque	[Nm]	2 - 2.2			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**RBO 5-T**		**3058114**	50
Test disconnect terminal block, with flange, for direct mounting		gray				

Accessories

Cover, width 2.2 mm		gray	**D-RSC 5-T**		**3058046**	50
Fixed bridge, insulated	10	silver	**FB 10-13**	57 A¹)	**3059126**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-13 ISO**	24 A	**3059663**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC-T**		**3059139**	10
Screwdriver			**SZG 0,9X6,5 VDE**		**1205134**	10
Center groove marking			**ZB 13 (see Catalog 5)**			
Lateral groove marking			**ZBF 13 (see Catalog 5)**			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**79.9**	**-**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**13**	**79.9**	**-**	
Dimensions		Width	Length	Height	
	[mm]	**13**	**79.9**	**39.7**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		50	**800²)**	**0.1 - 10**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800²)	600	-	-
Nominal current / cross section	[A] / [mm²]	50 / 10	45 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	26 - 8	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 10			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 6			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Disconnect slide: thread / torque	- / [Nm]	M4 / 1.2 - 1.4			
Bolt thread		M5			
Tightening torque	[Nm]	2 - 2.2			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

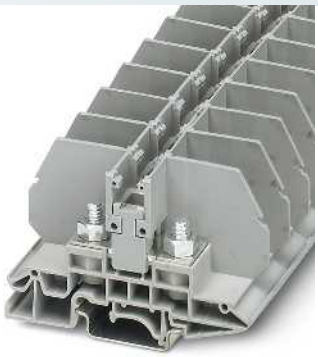
Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 5-T-F		**3058169**	50

Accessories

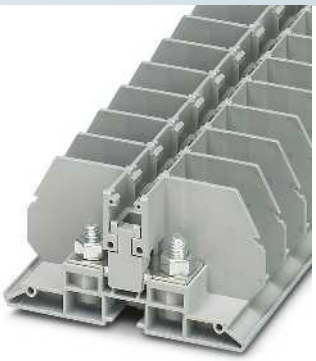
D-RSC 5-T-F		**3059346**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10
SZG 0,9X6,5 VDE		**1205134**	10
ZB 13 (see Catalog 5)			
ZBF 13 (see Catalog 5)			

Bolt connection terminal blocks RBO 6..., for M6 ring- and fork-type cable lugs

- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching jumper for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes



35 (35) mm², 125 A, feed-through terminal block for DIN rail mounting



35 (35) mm², 125 A, feed-through terminal block, for direct mounting

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**17**	**80.8**	**49.8**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**17**	**80.8**	**54.8**	
Dimensions		Width	Length	Height	
	[mm]	**17**	**80.8**	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		125	**800**	**2.5 - 35**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	115	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	12 - 2	-	12 - 2	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	6 - 35			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	2.5 - 6			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	**RBO 6**		**3075896**	40
Flange terminal block, for direct mounting, including D-RSC 6-F cover flange		gray				

Accessories

Cover, width 2.2 mm		gray	**D-RSC 6**		**3213098**	50
Cover flange		gray				
Fixed bridge, insulated	10	silver	**FB 10-17**	57 A	**3075951**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-17 ISO**	57 A	**3213085**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC-T**		**3059139**	10
Center groove marking			**ZB 17 (see Catalog 5)**			
Lateral groove marking			**ZBF 17 (see Catalog 5)**			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**17**	**80.8**	**-**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**17**	**80.8**	**-**	
Dimensions		Width	Length	Height	
	[mm]	**17**	**80.8**	**39.7**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		125	**800**	**2.5 - 35**	**-**
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	115	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	12 - 2	-	12 - 2	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	6 - 35			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	2.5 - 6			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 6-F		**3075935**	40

Accessories

D-RSC 6-F		**3213108**	50
FB 10-17	57 A	**3075951**	10
FB 10-17 ISO	57 A	**3213085**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10
ZB 17 (see Catalog 5)			
ZBF 17 (see Catalog 5)			

RBO bolt connection terminal blocks, open, for ring- and fork-type cable lugs



- Optional snap-on finger protection
- Compact connection with ring- and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard with the covering hoods.
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block

Mounting options

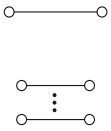
- Mounting either on standard DIN rails or directly in switch boxes, see figure below



Notes:

For corresponding test plugs, see the following page.

[1]) For information on installation and using accessories for Ex applications, see page 602.





70 (70) mm², 192 A, feed-through terminal block, for DIN rail and direct mounting

Ex: SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/15
		29	136	74.5
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		192	1000	6 - 70 / -
Rated data		IEC 60947-7-1		
		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	1000	600	600 / 690
Nominal current / cross section	[A] / [mm²]	192 / 70	175 / -	175 / - / 187 / 70
Rated cross section	[mm²]	70	-	- / 2.5 - 70
Cross section range	AWG	8 - 2/0	-	- / 8 - 2/0
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	2.5 - 70		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22		
Connection capacity DIN 46235				
Cable lugs, DIN 46235	[mm²]	16 - 70		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	2.5 - 6		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14		
	blue	2.50 mm²		
	yellow	6.00 mm²		
General data				
Bolt thread		M8		
Tightening torque	[Nm]	6 - 12		
Insulating material		PA		
Inflammability class according to UL 94		V0		

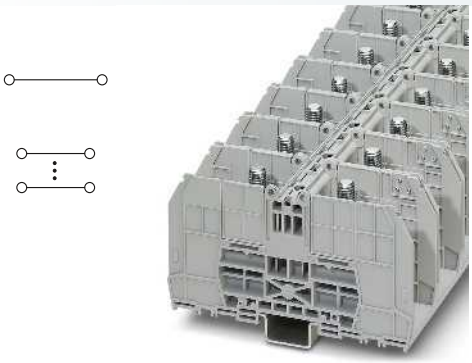
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal block, for direct mounting or mounting on NS 35/15		gray	**RBO 8**		**3213137**	10
		blue	**RBO 8 BU**		**3213136**	5
		black/yellow	**RBO 8-FE**		**3213139**	5
Block, 3-pos., (3 x gray)		gray	**RBO 8-3L**		**3076206**	2
Block, 4-pos., (3 x gray, 1 x blue)		gray/blue	**RBO 8-3L/N**		**3076248**	2
Block, 4-pos., (3 x gray, 1 x black-yellow)		gray/black-yellow	**RBO 8-3L/FE**		**3076124**	2
Block, 5-pos., (3 x gray, 1 x blue, 1 x black-yellow)		gray/blue/black-yellow	**RBO 8-3L/N/FE**		**3076280**	2

Accessories[1])

Connection rail, for cross connection of high-current connectors						
	2	silver	**RBO 8-VS 2**	192 A	**3213179**	10
	3	silver	**RBO 8-VS 3**	192 A	**3213182**	10
Covering hood, as retrofit snap-on shock protection for cable lug connection		gray	**HC-RBO 8**		**3247967**	10
		blue	**HC-RBO 8 BU**		**3247969**	10
		black/yellow	**HC-RBO 8-FE**		**3247968**	10
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver	**E/AL-NS 35**		**1201662**	10
Terminal strip marker, adjustable height, for CLIPFIX ... end clamp, can be marked with EML (20x8) label or directly with B-STIFT or X-PEN		gray				

Center groove marking	**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**



150 (150) mm², 309 A, feed-through terminal block, for DIN rail and direct mounting

Ex: SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
41	**144**	**84.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
309	**1000**	**6 - 150**	**10 - 350**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
1000	600	1000	1100
309 / 150	310 / -	310 / -	309 / 150
150	-	-	6 - 150
10 - 300	10 - 350	10 - 350	10 - 300
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm²			
M10			
10 - 20			
PA			
V0			

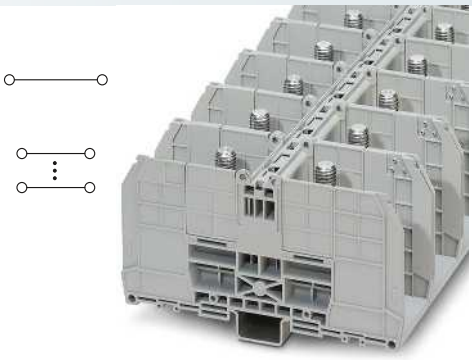
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 10		**3244614**	5
RBO 10 BU		**3244616**	5
RBO 10-FE		**3244615**	5
RBO 10-3L		**3076219**	2
RBO 10-3L/N		**3076251**	2
RBO 10-3L/FE		**3076137**	2
RBO 10-3L/N/FE		**3076293**	2

Accessories[1])

RBO 10-VS 2	309 A	**3244643**	10
RBO 10-VS 3	309 A	**3244656**	10
HC-RBO 10		**3247970**	6
HC-RBO 10 BU		**3247972**	6
HC-RBO 10-FE		**3247971**	6
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)



240 (240) mm², 415 A, feed-through terminal block, for DIN rail and direct mounting

Ex: SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
49	**164**	**90.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
415	**1000**	**10 - 240**	**8 - 600**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
1000	600	1000	1100
415 / 240	420 / -	420 / -	415 / 240
240	-	-	10 - 240
8 - 500	8 - 600	8 - 600	8 - 500
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

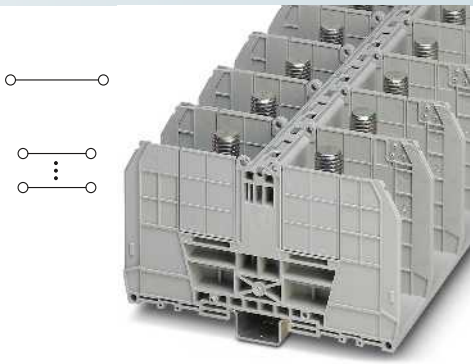
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 12		**3244627**	5
RBO 12 BU		**3244629**	5
RBO 12-FE		**3244628**	5
RBO 12-3L		**3076222**	1
RBO 12-3L/N		**3076264**	1
RBO 12-3L/FE		**3076140**	1
RBO 12-3L/N/FE		**3076303**	1

Accessories[1])

RBO 12-VS 2	415 A	**3244669**	10
RBO 12-VS 3	415 A	**3244672**	10
HC-RBO 12		**3247983**	6
HC-RBO 12 BU		**3247985**	6
HC-RBO 12-FE		**3247984**	6
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)



300 (300) mm², 520 A, feed-through terminal block, for DIN rail and direct mounting

Ex: SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
54.8	**164**	**99.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
520	**1000**	**25 - 300**	**4 - 1000**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
1000	600	1000	1100
520 / 300	540 / -	540 / -	520 / 300
300	-	-	25 - 300
4 - 600	4 - 1000	4 - 1000	4 - 600
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data

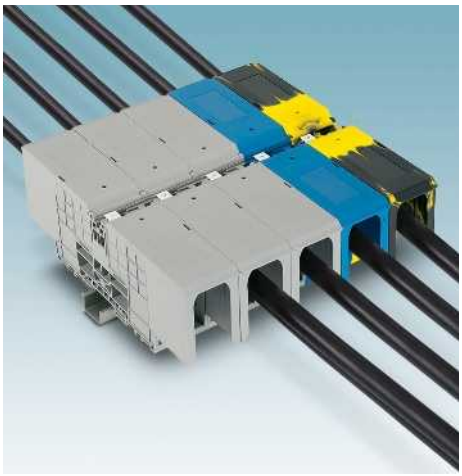
Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 16		**3244630**	5
RBO 16 BU		**3244632**	5
RBO 16-FE		**3244631**	5
RBO 16-3L		**3076235**	1
RBO 16-3L/N		**3076277**	1
RBO 16-3L/FE		**3076153**	1
RBO 16-3L/N/FE		**3076316**	1

Accessories[1])

RBO 16-VS 2	520 A	**3244685**	10
RBO 16-VS 3	520 A	**3244698**	10
HC-RBO 16		**3247996**	6
HC-RBO 16 BU		**3247998**	6
HC-RBO 16-FE		**3247997**	6
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

RBO bolt connection terminal blocks with covering hoods, for ring- and fork-type cable lugs



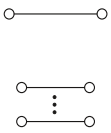
- With protective covers
- Compact connection with ring- and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard.
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block
- The covering hoods can be custom-marked using the following labels:
  0817028 EML (51X25)R
  0817031 EML (51X25)R YE
  0817002 EML (51X25)R SR



Notes:

[1]) For information on installation and using accessories for Ex applications, see page 602.

[2]) Cable lug must be insulated with shrink sleeve.





70 (70) mm², 192 A, feed-through terminal block, for DIN rail and direct mounting

Ex: SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

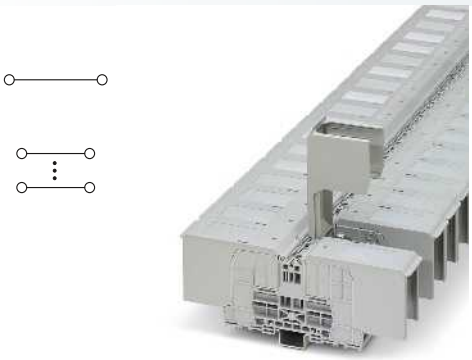
Dimensions				
	[mm]	Width	Length	Height NS 35/15
		29	184	74.5
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		192	1500[2])	6 - 70 / -
Rated data		IEC 60947-7-1 IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	1500[2])	600	- / 690
Nominal current / cross section	[A] / [mm²]	192 / 70	175 / -	- / 187 / 70
Rated cross section	[mm²]	70	-	- / 2.5 - 70
Cross section range	AWG	8 - 2/0	-	- / 8 - 2/0
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	2.5 - 70		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22		
Connection capacity DIN 46235				
Cable lugs, DIN 46235	[mm²]	16 - 70		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	2.5 - 6		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14		
	blue	2.50 mm²		
	yellow	6.00 mm²		
General data				
Bolt thread		M8		
Tightening torque	[Nm]	6 - 12		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal blocks, with covering hood, for direct mounting or mounting on NS 35/15		gray	**RBO 8-HC**		**3247973**	5
		blue	**RBO 8-HC BU**		**3247974**	5
		black/yellow	**RBO 8-FE-HC**		**3247975**	5
Block, 3-pos., (3 x gray)		gray	**RBO 8-3L-HC**		**3076044**	2
Block, 4-pos., (3 x gray, 1 x blue)		gray/blue	**RBO 8-3L/N-HC**		**3076086**	2
Block, 4-pos., (3 x gray, 1 x black-yellow)		gray/black-yellow	**RBO 8-3L/FE-HC**		**3076125**	2
Block, 5-pos., (3 x gray, 1 x blue, 1 x black-yellow)		gray/blue/black-yellow	**RBO 8-3L/N/FE-HC**		**3076167**	2

Accessories[1])

Connection rail, for cross connection of high-current connectors						
	2	silver	**RBO 8-VS 2**	192 A	**3213179**	10
	3	silver	**RBO 8-VS 3**	192 A	**3213182**	10
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver	**E/AL-NS 35**		**1201662**	10
Terminal strip marker, adjustable height, for CLIPFIX ... end clamp, can be marked with EML (20x8) label or directly with B-STIFT or X-PEN		gray				
Test plug, consisting of: **metal part** for 4 mm Ø socket hole And **Insulating sleeve** for PS metal part		red				
Center groove marking			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**			



150 (150) mm², 309 A, feed-through terminal block, for DIN rail and direct mounting

Ex: SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
41	**235**	**84.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
309	**1500²)**	**6 - 150**	**10 - 350**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
1500²)	600	1000	1100
309 / 150	310 / -	310 / -	309 / 150
150	-	-	6 - 150
10 - 300	10 - 350	10 - 350	10 - 300
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm²			
M10			
10 - 20			
PA			
V0			

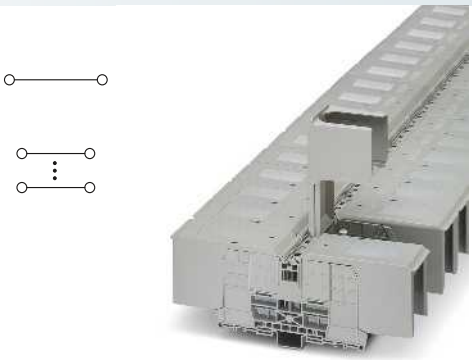
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 10-HC		**3247976**	5
RBO 10-HC BU		**3247977**	5
RBO 10-FE-HC		**3247978**	5
RBO 10-3L-HC		**3076057**	2
RBO 10-3L/N-HC		**3076099**	2
RBO 10-3L/FE-HC		**3076138**	2
RBO 10-3L/N/FE-HC		**3076170**	2

Accessories[1])

RBO 10-VS 2	309 A	**3244643**	10
RBO 10-VS 3	309 A	**3244656**	10
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100
PS-MT		**0311647**	10
PS-IH RD		**0311579**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)



240 (240) mm², 415 A, feed-through terminal block, for DIN rail and direct mounting

Ex: SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
49	**265**	**90.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
415	**1500²)**	**10 - 240**	**8 - 600**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
1500²)	600	1000	1100
415 / 240	420 / -	420 / -	415 / 240
240	-	-	10 - 240
8 - 500	8 - 600	8 - 600	8 - 500
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

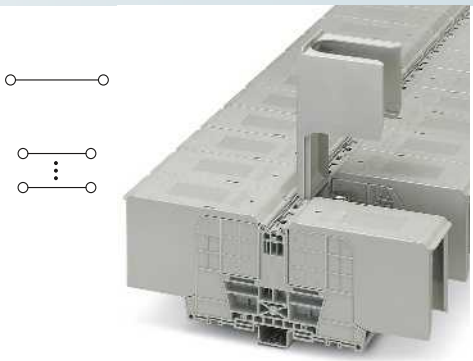
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 12-HC		**3247986**	5
RBO 12-HC BU		**3247987**	5
RBO 12-FE-HC		**3247988**	5
RBO 12-3L-HC		**3076060**	1
RBO 12-3L/N-HC		**3076109**	1
RBO 12-3L/FE-HC		**3076141**	1
RBO 12-3L/N/FE-HC		**3076183**	1

Accessories[1])

RBO 12-VS 2	415 A	**3244669**	10
RBO 12-VS 3	415 A	**3244672**	10
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100
PS-MT		**0311647**	10
PS-IH RD		**0311579**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)



300 (300) mm², 520 A, feed-through terminal block, for DIN rail and direct mounting

Ex: SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
54.8	**283.5**	**99.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
520	**1500²)**	**25 - 300**	**4 - 1000**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
1500²)	600	1000	1100
520 / 300	540 / -	540 / -	520 / 300
300	-	-	25-300
4 - 600	4 - 1000	4 - 1000	4 - 600
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 16-HC		**3247989**	5
RBO 16-HC BU		**3247990**	5
RBO 16-FE-HC		**3247991**	5
RBO 16-3L-HC		**3076073**	1
RBO 16-3L/N-HC		**3076112**	1
RBO 16-3L/FE-HC		**3076154**	1
RBO 16-3L/N/FE-HC		**3076196**	1

Accessories[1])

RBO 16-VS 2	520 A	**3244685**	10
RBO 16-VS 3	520 A	**3244698**	10
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100
PS-MT		**0311647**	10
PS-IH RD		**0311579**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

RSC ... screw terminal blocks, for M4 and M5 ring and fork-type cable lugs



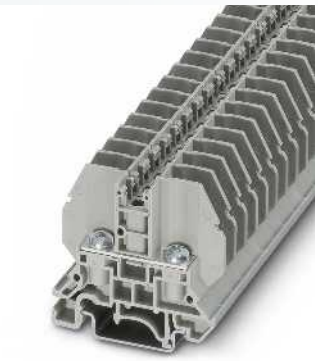
- Compact screw connection of ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Mounting on standard DIN rails or directly in control boxes
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- Large-surface, seamless external and center marking
- Screw nuts and current bars are latched in the insulating housing and cannot be removed



Notes:

[1]) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks

[2]) Rated voltage for 630 V open disconnect point



4 (6) mm², 32 A, feed-through terminal block

Technical data

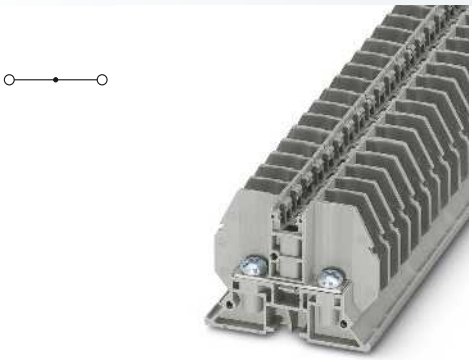
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		9	**53.3**	**47.1**
Dimensions				
	[mm]	Width	Length	Height NS 32
		9	**53.3**	**52.1**
Dimensions				
	[mm]	Width	Length	Height
		9	**53.3**	**-**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		32	**800**	**0.1 - 6** / **-**
Rated data		IEC 60947-7-1 IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	26 - 10	-	- / -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	0.1 - 6		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8		
Color code	red	1.00 mm²		
	blue	2.50 mm²		
	yellow			
General data				
Bolt thread		M4		
Tightening torque	[Nm]	1.2 - 1.4		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	**RSC 4**		**3058127**	50
Bolt connection/flange terminal block, for direct mounting		gray				
Block, 4-pos.		gray				
Block, 6-pos.		gray				
Block, 8-pos.		gray				
Block, 12-pos.		gray				

Accessories

Cover, width 2.2 mm		gray	**D-RSC 5**		**3058020**	50
Fixed bridge, insulated	10	silver	**FB 10-9**	32 A	**3059113**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-9 ISO**	24 A	**3059650**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC**		**3058017**	10
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
			SZK PH2 VDE		**1205163**	10
Center groove marking			**ZB 9 (see Catalog 5)**			
Lateral groove marking			**ZBF 9 (see Catalog 5)**			



4 (6) mm², 32 A, feed-through terminal block, for direct mounting

Technical data

Width	Length	Height NS 35/7,5	
9	**53.3**	**-**	
Width	Length	Height NS 32	
9	**53.3**	**-**	
Width	Length	Height	
9	**53.3**	**37**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
32	**800²)**	**0.1 - 6**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800²)	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
26 - 10	-	-	-
0.1 - 6			
4 / 4.3 / 8			
0.5 - 2.5			
4 / 4.3 / 8			
1.00 mm²			
2.50 mm²			
M4			
1.2 - 1.4			
PA			
V0			

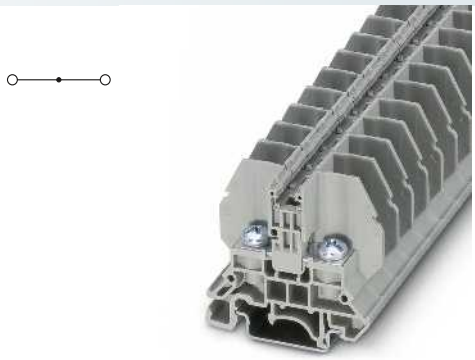
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 4-F		**3058130**	50
RSC 4-F/4		**3059171**	1
RSC 4-F/6		**3059184**	1
RSC 4-F/8		**3059197**	1
RSC 4-F/12		**3059207**	1

Accessories

D-RSC 5-F		**3059647**	50
FB 10-9	32 A	**3059113**	10
FB 10-9 ISO	24 A	**3059650**	10
TS-KK 3		**2770215**	50
AP RSC		**3058017**	10
SZS 1,0X6,5 VDE		**1205079**	10
SZK PH2 VDE		**1205163**	10

ZB 9 (see Catalog 5)
ZBF 9 (see Catalog 5)



10 (10) mm², 57 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
13	**53.3**	**47.1**	
Width	Length	Height NS 32	
13	**53.3**	**52.1**	
Width	Length	Height	
13	**53.3**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**800**	**0.1 - 10**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	-	-
57 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M5			
2 - 2.2			
PA			
V0			

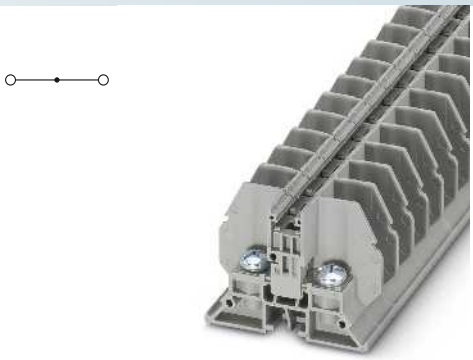
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 5		**3058143**	50

Accessories

D-RSC 5		**3058020**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC		**3058017**	10
SZS 1,0X6,5 VDE		**1205079**	10
SZK PH2 VDE		**1205163**	10

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)



10 (10) mm², 57 A, feed-through terminal block, for direct mounting

Technical data

Width	Length	Height NS 35/7,5	
13	**53.3**	**-**	
Width	Length	Height NS 32	
13	**53.3**	**-**	
Width	Length	Height	
13	**53.3**	**37**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
57	**800**	**0.1 - 10**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	-	-
57 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M5			
2 - 2.2			
PA			
V0			

Ordering data

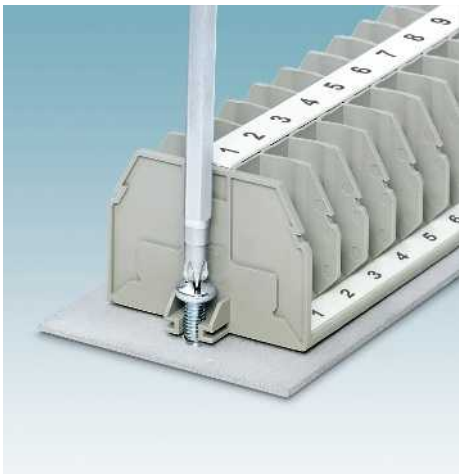
Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 5-F		**3058156**	50
RSC 5-F/4		**3059210**	1
RSC 5-F/6		**3059223**	1
RSC 5-F/8		**3059236**	1
RSC 5-F/12		**3059249**	1

Accessories

D-RSC 5-F		**3059647**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC		**3058017**	10
SZS 1,0X6,5 VDE		**1205079**	10
SZK PH2 VDE		**1205163**	10

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)

RSC 6 ..., M6 screw terminal blocks and RSC 5-T..., M5 test disconnect terminal blocks



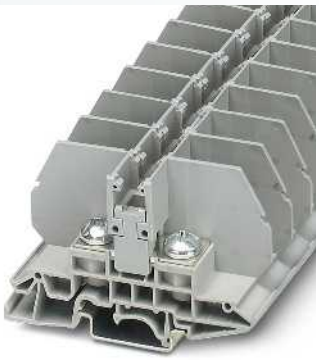
- Flange terminal blocks for direct mounting in control boxes
- Compact screw connection of ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- Large-surface, seamless external and center marking
- Screw nuts and current bars are latched in the insulating housing and cannot be removed
- Easy grouping of flange terminal blocks, see figure below



Notes:

[1]) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks

[2]) Rated voltage for 630 V open disconnect point



35 (35) mm², 125 A, feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		17	**80.8**	**49.8**
Dimensions				
	[mm]	Width	Length	Height NS 32
		17	**80.8**	**54.8**
Dimensions				
	[mm]	Width	Length	Height
		17	**80.8**	**-**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG (UL)
		125	**800**	**2.5 - 35** / **-**
Rated data		IEC 60947-7-1		
		IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	115 / -
Rated cross section	[mm²]	35	-	- / -
Cross section range	AWG	12 - 2	-	12 - 2 / -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	6 - 35		
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	2.5 - 6		
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11		
Color code	red			
	blue	2.50 mm²		
	yellow	6.00 mm²		
General data				
Disconnect slide: thread / torque	- / [Nm]	- / -		
Bolt thread		M6		
Tightening torque	[Nm]	3.2 - 3.7		
Insulating material		PA		
Inflammability class according to UL 94		V0		

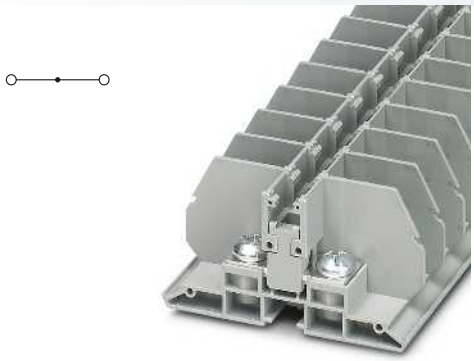
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	**RSC 6**		**3075870**	40
Bolt connection/flange terminal block, for direct mounting		gray				
Test disconnect terminal block, for mounting on NS 35 and NS 32		gray				
Test disconnect terminal block, with flange, for direct mounting		gray				

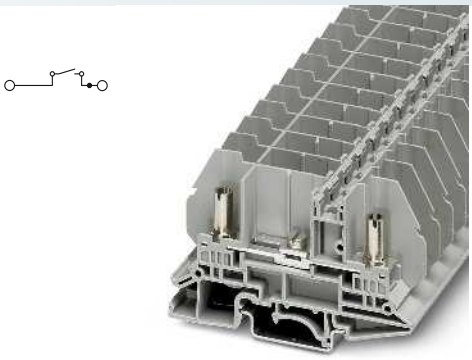
Accessories

Cover, width 2.2 mm		gray	**D-RSC 6**		**3213098**	50
Fixed bridge, insulated	10	silver	**FB 10-17**	57 A	**3075951**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-17 ISO**	57 A	**3213085**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC-T**		**3059139**	10
Screwdriver						

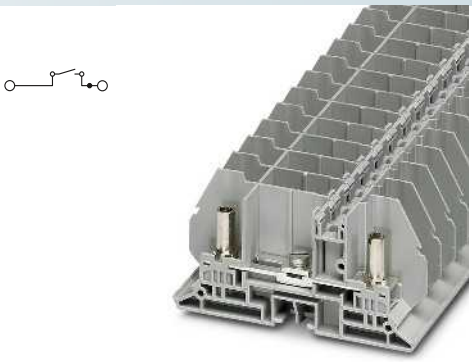
Center groove marking	**ZB 17 (see Catalog 5)**
Lateral groove marking	**ZBF 17 (see Catalog 5)**



35 (35) mm², 125 A, feed-through terminal block, for direct mounting



10 (10) mm², 50 A, test disconnect terminal block



10 (10) mm², 50 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
17	**80.8**	**-**	
Width	Length	Height NS 32	
17	**80.8**	**-**	
Width	Length	Height	
17	**80.8**	**39.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
125	**800**	**2.5 - 35**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	600	-
125 / 35	115 / -	115	-
35	-	-	-
12 - 2	-	12 - 2	-
6 - 35			
6 / 6.5 / 15			
2.5 - 6			
6 / 6.5 / 11			
2.50 mm²			
6.00 mm²			
- / -			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 6-F		**3075919**	40

Accessories

D-RSC 6-F		**3213108**	50
FB 10-17	57 A	**3075951**	10
FB 10-17 ISO	57 A	**3213085**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10

ZB 17 (see Catalog 5)
ZBF 17 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
13	**79.9**	**49.8**	
Width	Length	Height NS 32	
13	**79.9**	**54.8**	
Width	Length	Height	
13	**79.9**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
50	**800²)**	**0.1 - 10**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800²)	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 5-T		**3058172**	50

Accessories

D-RSC 5-T		**3058046**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10
SZG 0,9X6,5 VDE		**1205134**	10

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
13	**79.9**	**-**	
Width	Length	Height NS 32	
13	**79.9**	**-**	
Width	Length	Height	
13	**79.9**	**39.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
50	**800²)**	**0.1 - 10**	**-**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800²)	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 5-T-F		**3058334**	50

Accessories

D-RSC 5-T-F		**3059346**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10
SZG 0,9X6,5 VDE		**1205134**	10

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)

HV ... high-current connector

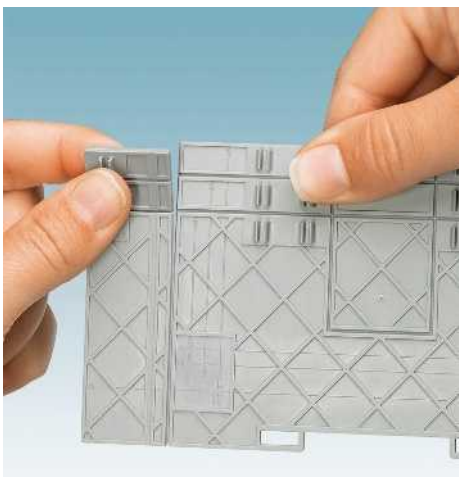


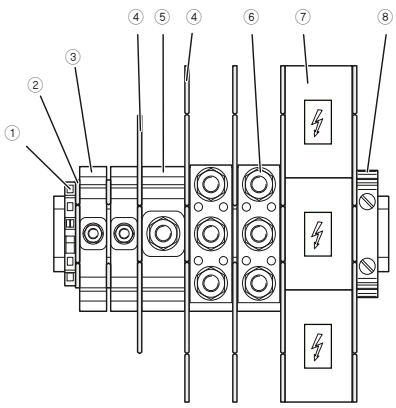


- Secure connection of up to 4 conductors with cable lugs according to DIN 46234, 46235 and 46237 in very tight spaces
- Spring washers are used to prevent hexagonal nuts from loosening
- Extensive range of accessories for safe and comfortable wiring of conductors up to 120 mm²

- Two and three-pos. connection rails are available for potential distribution
- The feed-through window provided in the partition plates can be easily removed for mounting the connection rails

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity, bolt connection	
Cable lugs, DIN 46234	[mm²]
Cable lugs, DIN 46235	[mm²]
Cable lugs, DIN 46237	[mm²]
General data	
Bolt length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

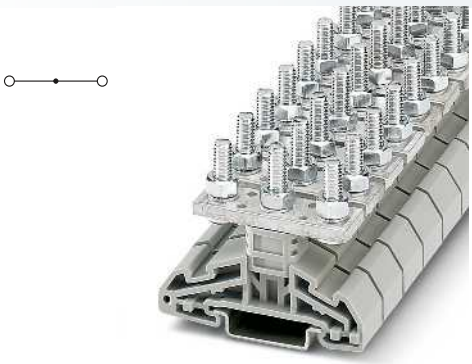




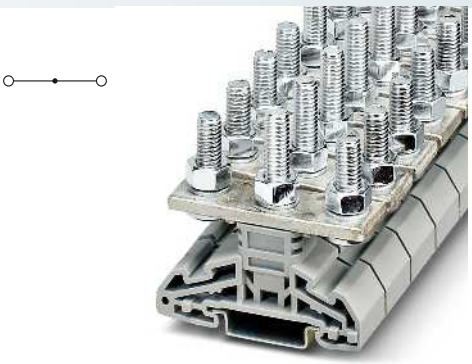
- Two different partition plates can be used for the family of single and twin bolt terminal blocks
- Marking the partition plates allows their height and length to be adapted at the respective bolt terminal blocks

① CLIPFIX 35-5 end bracket
② HV M12/1-TP partition plate
③ HV M5/1 or
HV M6/1 high-current connectors
④ HV M12/2-TP partition plate
⑤ HV M8/1, HV M10/1 or HV M12/1 high-current connectors
⑥ HV M6/2, HV M8/2 or HV M10/2 high-current connectors
⑦ HV M10/1-AP cover
⑧ E/AL-NS 35 end bracket

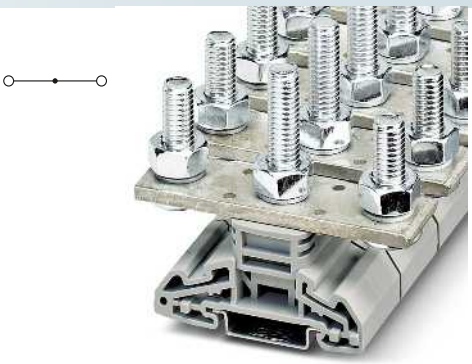
Description	No. of pos.	Color
High-current connectors, for mounting on NS 35...		gray
Connection rail, for cross connection of high-current connectors		
	2	silver
	3	silver
Reducing bridge, for connecting HV M8/1 to HV M6/1		
	2	silver
Reducing bridge, for connecting HV M10/1 to HV M6/1		
	3	silver
Separating plate		gray
Cover		gray
Adhesive warning plate, self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow
Adhesive warning plate, self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver
Lateral groove marking		



35 (35) mm², 125 A, M6 bolt terminal block



50 (50) mm², 150 A, M8 bolt terminal block



120 (120) mm², 269 A, M10 bolt terminal block

Technical data

Width	Length	Height NS 35/7,5	
16	**67**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
125	**1000**	**2.5 - 35**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
125 / 35	-	120 / -	-
35	-	-	-
14 - 2	-	-4	-
2.5 - 35			
6 - 35			
2.5 - 6			
16			
M6			
3 - 6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M6/2		**3049547**	25

Accessories

HV M6/1-VS 2	125 A	**3049262**	10
HV M6/1-VS 3	125 A	**3049275**	10
HV M12/2-TP		**3049709**	25
HV M6/1-AP		**3049903**	25
WS-4K		**1004584**	10
CLIPFIX 35-5		**3022276**	50

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
21	**67**	**66**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
150	**1000**	**2.5 - 50**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	130 / -	-
50	-	-	-
14 - 1/0	-	-3	-
2.5 - 50			
6 - 35			
- 10			
21			
M8			
6 - 12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M8/2		**3049550**	25

Accessories

HV M8/1-VS 2	150 A	**3049369**	10
HV M8/1-VS 3	150 A	**3049372**	10
HV M8/1 M6/1-STL		**3071094**	10
HV M12/2-TP		**3049709**	25
HV M8/1-AP		**3049398**	25
WS-4K		**1004584**	10
E/AL-NS 35		**1201662**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
269	**1000**	**6 - 120**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	225 / -	-
120	-	-	-
10 - 250 kcmil	-	-00	-
6 - 120			
10 - 95			
- 6			
26			
M10			
10 - 20			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M10/2		**3049563**	10

Accessories

HV M10/1-VS 2	269 A	**3049466**	10
HV M10/1-VS 3	269 A	**3049479**	10
HV M10/1 M6/1-STL2		**3071081**	10
HV M12/2-TP		**3049709**	25
HV M10/1-AP		**3049495**	10
WS-4K		**1004584**	10
WS-2K		**1004513**	10
E/AL-NS 35		**1201662**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

RBO and RSC bolt connection terminal blocks

HV ... high-current connector

– The bolt connection terminal blocks for cable lugs according to DIN 46234, DIN 46235, and DIN 46237 are available as part of the UHV ... high-current connector range
– For connecting up to four conductors
– Versions with connection bolts of between M5 and M12
– Extensive, supplementary accessories



16 (16) mm², 76 A, M5 bolt terminal block



35 (35) mm², 125 A, M6 bolt terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**67**	**58**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		76	**1000**	**0.1 - 16**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	1000	-
Nominal current / cross section	[A] / [mm²]	76 / 16	-	60 / -	-
Rated cross section	[mm²]	16	-	-	-
Cross section range	AWG	24 - 6	-	-8	-
Connection capacity, bolt connection					
Cable lugs, DIN 46234	[mm²]	0.1 - 16			
Cable lugs, DIN 46235	[mm²]	6 - 10			
Cable lugs, DIN 46237	[mm²]	1 - 6			
General data					
Bolt length	[mm]	22.5			
Screw thread		M5			
Tightening torque	[Nm]	2 - 4			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
High-current connectors, for mounting on NS 35...		gray	**HV M5/1**		**3049107**	25

Accessories

Connection rail, for cross connection of high-current connectors						
	2	silver	**HV M5/1-VS 2**	76 A	**3049437**	10
	3	silver	**HV M5/1-VS 3**	76 A	**3049440**	10
Reducing bridge, for connecting HV M8/1 to HV M6/1						
	2	silver				
Reducing bridge, for connecting HV M10/1 to HV M6/1						
	3	silver				
Separating plate		gray	**HV M12/1-TP**		**3049602**	25
Cover		gray	**HV M5/1-AP**		**3049806**	25
Adhesive warning plate, self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow	**WS-4K**		**1004584**	10
Adhesive warning plate, self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow				
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray	**CLIPFIX 35-5**		**3022276**	50
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver				
Lateral groove marking			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**			

Technical data

Width		Length	Height NS 35/7,5		
16		**67**	**58**		
$I_{max.}$ [A]		$U_{max.}$ [V]	Max. Ø [mm²]		AWG (UL)
125		**1000**	**2.5 - 35**		**-**
IEC 60947-7-1 IEC		UL / CUL	CSA		IEC/ EN 60079-7
1000		-	1000		-
125 / 35		-	115 / -		-
35		-	-		-
14 - 2		-	-4		-
2.5 - 35					
6 - 35					
2.5 - 6					
22.5					
M6					
3 - 6					
PA					
V0					

Ordering data

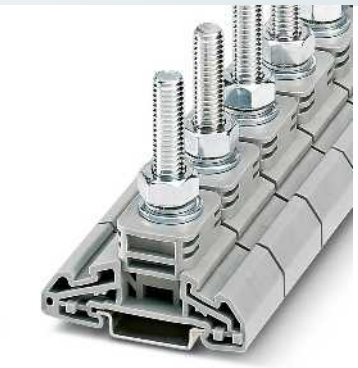
Type	I_{max}	Order No.	Pcs. / Pkt.
HV M6/1		**3049204**	25

Accessories

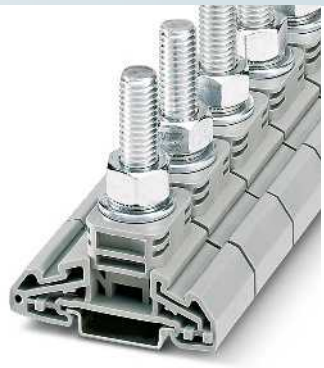
HV M6/1-VS 2	125 A	**3049262**	10	
HV M6/1-VS 3	125 A	**3049275**	10	
HV M12/1-TP		**3049602**	25	
HV M6/1-AP		**3049903**	25	
WS-4K		**1004584**	10	
CLIPFIX 35-5		**3022276**	50	
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)				



50 (50) mm², 150 A, M8 bolt terminal block



120 (120) mm², 269 A, M10 bolt terminal block



120 (120) mm², 269 A, M12 bolt terminal block

Technical data

Width	Length	Height NS 35/7,5	
21	**67**	**66**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
150	**1000**	**2.5 - 50**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	125 / -	-
50	-	-	-
14 - 1/0	-	-3	-
2.5 - 50			
6 - 35			
6 - 10			
30.5			
M8			
6 - 12			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
269	**1000**	**6 - 120**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220 / -	-
120	-	-	-
10 - 250 kcmil	-	-00	-
6 - 120			
10 - 95			
- 6			
40.5			
M10			
10 - 20			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
269	**1000**	**6 - 120**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220 / -	-
120	-	-	-
10 - 250 kcmil	-	-00	-
6 - 120			
10 - 95			
-			
40.5			
M12			
14 - 31			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M8/1		**3049301**	25

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M10/1		**3049408**	10

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M12/1		**3049505**	10

Accessories

HV M8/1-VS 2	150 A	**3049369**	10
HV M8/1-VS 3	150 A	**3049372**	10
HV M8/1 M6/1-STL		**3071094**	10
HV M12/2-TP		**3049709**	25
HV M8/1-AP		**3049398**	25
WS-4K		**1004584**	10
CLIPFIX 35-5		**3022276**	50
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)			

Accessories

HV M10/1-VS 2	269 A	**3049466**	10
HV M10/1-VS 3	269 A	**3049479**	10
HV M10/1 M6/1-STL2		**3071081**	10
HV M12/2-TP		**3049709**	25
HV M10/1-AP		**3049495**	10
WS-4K		**1004584**	10
WS-2K		**1004513**	10
E/AL-NS 35		**1201662**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)			

Accessories

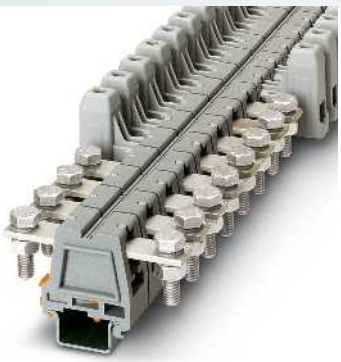
HV M12/1-VS 2	269 A	**3049631**	10
HV M12/1-VS 3	269 A	**3049644**	10
HV M12/2-TP		**3049709**	25
HV M10/1-AP		**3049495**	10
WS-4K		**1004584**	10
WS-2K		**1004513**	10
E/AL-NS 35		**1201662**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)			

UHV ... high-current connector

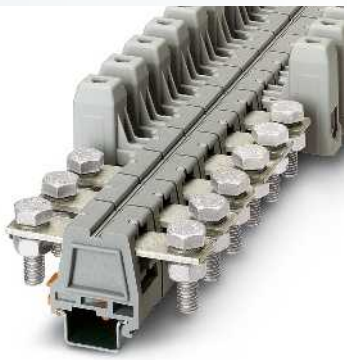
- The UHV ... high-current connectors are available in several versions
- Versions are available with a cable lug or direct connection and there is a mixed version of both connection types
- The comprehensive range of accessories ensures safe and user-friendly wiring of conductors up to 240 mm²

Notes:
In the case of UHV 240..., the BG/F flat bracket must be mounted.





25 (25) mm², 101 A, feed-through terminal block



50 (50) mm², 150 A, feed-through terminal block

Technical data

Dimensions		Width	Length	Height NS 35/15	
	[mm]	**26**	**95**	**72**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		101	**1000**	**6 - 25**	**6 - 4**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	101 / 25	85 / -	100 / -	-
Rated cross section	[mm²]	25	-	-	-
Cross section range	AWG	10 - 3	6 - 4	6 - 4	-
Terminal sleeve connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	6 - 25	10 - 25	4 - 25	4 - 25
2 conductors (of the same type)	[mm²]	2.5 - 10	4 - 10	2.5 - 10	-
Connection capacity, bolt connection					
Bolt diameter	[mm]	8 mm			
Hole diameter / busbar	[mm]	8.4 / 15 mm x 3 mm			
Cable lugs, DIN 46234	[mm²]	2.5 - 25			
Cable lugs, DIN 46235	[mm²]	16 - 25			
General data					
Stripping length	[mm]	21			
Terminal sleeve: thread / torque	- / [Nm]	M5 / 4 - 4.5			
Screw set AS: screw thread / torque	- / [Nm]	M8 / 15 - 20			
Insulating material		PA-F			
Inflammability class according to UL 94		V2			

Technical data

		Width	Length	Height NS 35/15	
	[mm]	**32**	**104**	**78**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		150	**1000**	**16 - 50**	**6 - 1/0**
		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	150 / 50	150 / -	125 / -	-
Rated cross section	[mm²]	50	-	-	-
Cross section range	AWG	6 - 1/0	6 - 1/0	6 - 1/0	-
		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	16 - 50	25 - 50	25 - 50	25 - 50
2 conductors (of the same type)	[mm²]	10 - 16	10 - 16	10 - 16	-
Bolt diameter	[mm]	10 mm			
Hole diameter / busbar	[mm]	10.5 / 20 mm x 3 mm			
Cable lugs, DIN 46234	[mm²]	6 - 50			
Cable lugs, DIN 46235	[mm²]	16 - 50			
Stripping length	[mm]	26			
Terminal sleeve: thread / torque	- / [Nm]	M6 / 6 - 8			
Screw set AS: screw thread / torque	- / [Nm]	M10 / 25 - 30			
Insulating material		PA-F			
Inflammability class according to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
High current connector, with **KH** terminal sleeve on one side, and **AS** screw set on the other side		gray	**UHV 25-KH/AS**	**2130101**	10
High current connector, screw set **AS** on both sides, for rail or cable lug connection		gray	**UHV 25-AS/AS**	**2130004**	10
High current connector, with **KH** terminal sleeve on both sides, for direct cable connection		gray	**UHV 25-KH/KH**	**2130156**	10

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
High current connector, with **KH** terminal sleeve on one side, and **AS** screw set on the other side		gray	**UHV 50-KH/AS**	**2130114**	10
High current connector, screw set **AS** on both sides, for rail or cable lug connection		gray	**UHV 50-AS/AS**	**2130017**	10
High current connector, with **KH** terminal sleeve on both sides, for direct cable connection		gray	**UHV 50-KH/KH**	**2130169**	10

Accessories

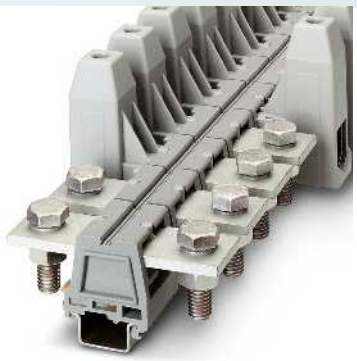
Covering hood, as retrofit snap-on shock protection for cable lug connection		gray	**UHV 25-AH**	**2130431**	10
Connection rail, for cross connection					
	2	silver	**UHV 25-VS 2**	**2130541**	10
	3	silver	**UHV 25-VS 3**	**2130554**	10
Separating plate		gray gray	**UHV -TP1**	**2130402**	10
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors		silver			
End piece, to be fitted at both sides of the terminal strip, 7.2 mm wide		gray	**UHV -E**	**2130428**	10
Screwdriver			**SZS 1,0X6,5 VDE**	**1205079**	10
Allen wrench, fully insulated, safety tool according to EN 60900, length: 150 mm, handle width: 110 mm					
Center groove marking			**UC-TM 10 (see Catalog 5)**		

Accessories

Covering hood, as retrofit snap-on shock protection for cable lug connection		gray	**UHV 50-AH**	**2130444**	10
Connection rail, for cross connection					
	2	silver	**UHV 50-VS 2**	**5030897**	10
	3	silver	**UHV 50-VS 3**	**2130622**	10
Separating plate		gray gray	**UHV -TP1**	**2130402**	10
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors		silver	**UKH 50 EP**	**3009228**	10
End piece, to be fitted at both sides of the terminal strip, 7.2 mm wide		gray	**UHV -E**	**2130428**	10
Screwdriver			**SZS 1,2X8,0 VDE**	**1205082**	10
Allen wrench, fully insulated, safety tool according to EN 60900, length: 150 mm, handle width: 110 mm					
Center groove marking			**UC-TM 10 (see Catalog 5)**		



95 (95) mm², 232 A, feed-through terminal block



150 (150) mm², 309 A, feed-through terminal block



240 (240) mm², 415 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/15	
40	**114**	**86**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
232	**1000**	**25 - 95**	**2 - 4/0**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
232 / 95	230 / -	200 / -	-
95	-	-	-
3 - 3/0	2 - 4/0	2 - 4/0	-
Solid	Stranded	Ferrule without/with plastic sleeve	
25 - 95	35 - 95	35 - 95	35 - 95
25 - 35	25 - 35	16 - 35	-
12 mm			
13 / 30 mm x 5 mm			
10 - 95			
25 - 95			
29			
M8 / 15 - 20			
M12 / 25 - 30			
PA-F			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UHV 95-KH/AS	**2130127**	10
UHV 95-AS/AS	**2130020**	10
UHV 95-KH/KH	**2130172**	10

Accessories

UHV 95-AH	**2130457**	10
UHV 95-VS 2	**2130635**	10
UHV 95-VS 3	**2130648**	10
UHV -TP2	**2130415**	10
UKH 95 EP	**3009231**	10
UHV -E	**2130428**	10
VDE-ISS 8	**1201947**	1

UC-TM 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/15	
46	**119**	**100**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
309	**1000**	**35 - 150**	**2 - 300**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
309 / 150	285 / -	275 / -	-
150	-	-	-
2 - 300 kcmil	2 - 300	2 - 300	-
Solid	Stranded	Ferrule without/with plastic sleeve	
35 - 150	50 - 150	50 - 150	50 - 150
25 - 50	35 - 50	25 - 50	-
12 mm			
13 / 35 mm x 5 mm			
10 - 150			
25 - 150			
34			
M10 / 25 - 30			
M12 / 25 - 30			
PA-F			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UHV150-KH/AS	**2130130**	10
UHV150-AS/AS	**2130033**	10
UHV150-KH/KH	**2130185**	10

Accessories

UHV150-AH	**2130460**	10
UHV150-VS 2	**2130651**	10
UHV150-VS 3	**2130664**	10
UHV -TP2	**2130415**	10
UKH 150/240 EP	**3009244**	10
UHV -E	**2130428**	10
VDE-ISS 8	**1201947**	1

UC-TM 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/15	
53	**126.5**	**105.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
415	**1000**	**70 - 240**	**2/0 - 500**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
415 / 240	380 / -	400 / -	-
240	-	-	-
2/0 - 500 kcmil	2/0 - 500	1/0 - 500	-
Solid	Stranded	Ferrule without/with plastic sleeve	
70 - 240	70 - 240	70 - 180	70 - 185
35 - 95	50 - 95	35 - 50	-
16 mm			
17 / 40 mm x 5 mm			
25 - 240			
50 - 185			
34			
M10 / 25 - 30			
M16 / 30 - 35			
PA-F			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UHV240-KH/AS	**2130143**	5
UHV240-AS/AS	**2130046**	5
UHV240-KH/KH	**2130198**	5

Accessories

UHV240-AH	**2130473**	10
UHV240-VS 2	**2130677**	10
UHV240-VS 3	**2130680**	10
UHV -TP2	**2130415**	10
UKH 150/240 EP	**3009244**	10
UHV -E	**2130428**	10
VDE-ISS 8	**1201947**	1

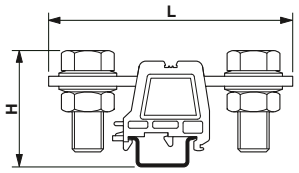
UC-TM 10 (see Catalog 5)

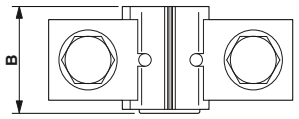
RBO and RSC bolt connection terminal blocks

Bolt connection terminal blocks are available either in a single-bolt or double-bolt design or with a screw/bolt mixed connection. The latter are fitted as high-current connectors with a terminal sleeve connection on one side and with a screw set for the connection of cable lugs on the other. The dimensions of the various types are shown in the following drawings and tables.

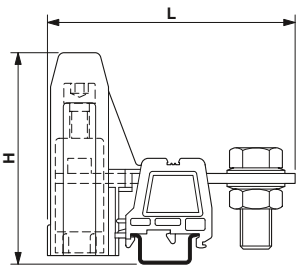
Secure cable lug connection

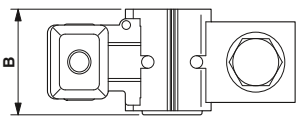
Cable lugs are securely connected in UHV..., HV..., and RT... high-current terminal blocks using the screw set. Spring washers are used for screw locking. Cable lugs according to DIN 46234, DIN 46235, and DIN 46237 can be connected. A two-conductor connection is also possible where one conductor must be connected under the current bar using a cable lug and the other must be connected to the current bar. See diagram below right.



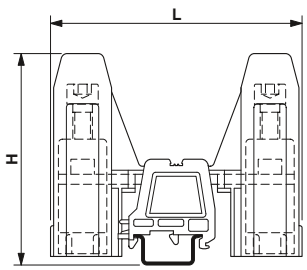


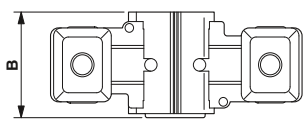
UHV...AS/AS



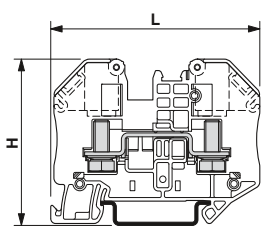


UHV...KH/AS





UHV...KH/KH



RT ... / RTO ...

High-current connector with bolt connection
Universal high-current connector
Dimensions in [mm] / [inch]

Type	H	L	W
UHV 25-AS/AS	53 / 2.087	88 / 3.456	26 / 1.024
UHV 25-KH/AS	72 / 2.835	95 / 3.74	26 / 1.024
UHV 25-KH/KH	72 / 2.835	102.5 / 4.035	26 / 1.024
UHV 50-AS/AS	54.5 / 2.146	95 / 3.74	32 / 1.26
UHV 50-KH/AS	78 / 3.071	104 / 4.094	32 / 1.26
UHV 50-KH/KH	78 / 3.071	113.5 / 4.469	32 / 1.26
UHV 95-AS/AS	56 / 2.205	110 / 4.331	40 / 1.575
UHV 95-KH/AS	86 / 3.386	114 / 4.488	40 / 1.575
UHV 95-KH/KH	86 / 3.386	118.5 / 4.665	40 / 1.575
UHV 150-AS/AS	56 / 2.205	110 / 4.331	46 / 1.811
UHV 150-KH/AS	100 / 3.937	119 / 4.685	46 / 1.811
UHV 150-KH/KH	100 / 3.937	128.5 / 5.059	46 / 1.811
UHV 240-AS/AS	58 / 2.283	125 / 4.921	53 / 2.087
UHV 240-KH/AS	105.5 / 4.154	126.5 / 4.980	53 / 2.087
UHV 240-KH/KH	105.5 / 4.154	128.5 / 5.059	53 / 2.087

CLIPLINE complete bolt connection
Ring-lug terminal - RT
Dimensions in [mm] / [inch]

Type	H	L	W
RT 3	51 / 2.007	65 / 2.559	12.2 / 0.480
RT 5	51 / 2.007	65 / 2.559	16.2 / 0.637
RT 5-T	51 / 2.007	90.4 / 3.559	16.2 / 0.637
RT 8	63.8 / 2.511	84 / 3.307	20.2 / 0.795

CLIPLINE complete bolt connection
Ring-lug terminal open style - RTO
Dimensions in [mm] / [inch]

Type	H	L	W
RTO 3	49.9 / 1.965	65 / 2.559	12.2 / 0.480
RTO 5	49.9 / 1.965	65 / 2.559	16.2 / 0.637
RTO 5-T	49.9 / 1.965	90.4 / 3.559	16.2 / 0.637
RTO 8	62.2 / 2.449	84 / 3.307	20.2 / 0.795

Secure flat conductor connection

Flat conductors can be reliably and securely connected in UKH and UHV high-current terminal blocks using the insertion profile (UKH... EP). This levels out the prism-shaped terminal sleeve base, thereby ensuring that the flat conductor is contacted on a large area.

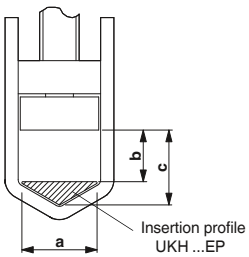
Suitability of flat conductors for clamping

Conductor		Type	
Structure [mm]	Current [A]	UHV 50-KH/AS UHV 50-KH/KH	UHV 95-KH/AS UHV 95-KH/KH
3 x 9 x 0.8	100	X	X
6 x 9 x 0.8	160	X[1])	X
4 x 16 x 0.8	200	–	X
6 x 16 x 0.8	250	–	X[1])
10 x 16 x 0.8	400	–	X[1])
11 x 21 x 0.8	630	–	–

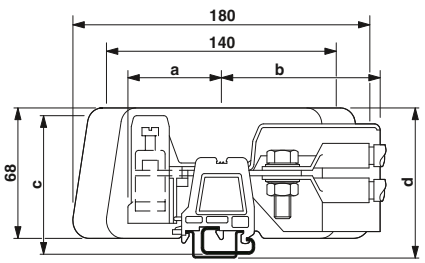
Conductor		Type	
Structure [mm]	Current [A]	UHV 150-KH/AS UHV 150-KH/KH	UHV 240-KH/AS UHV 240-KH/KH
3 x 9 x 0.8	100	–	–
6 x 9 x 0.8	160	X	–
4 x 16 x 0.8	200	X	X
6 x 16 x 0.8	250	X	X
10 x 16 x 0.8	400	X[1])	X
11 x 21 x 0.8	630	–	X[1])

[1]) Observe nominal current of terminal blocks.

Internal dimensions of terminal sleeves



Type	Internal dimensions in [mm] / [inch]		
	a	b	c
UKH 25 / UHV 25-KH/...	9 / 0.354	– / –	8.5 / 0.335
UKH 50 / UHV 50-KH/...	11 / 0.433	7.5 / 0.295	12 / 0.472
UKH 95 / UHV 95-KH/...	15 / 0.591	11 / 0.433	15 / 0.591
UKH 150 / UHV 150-KH/...	19.5 / 0.768	11 / 0.433	18 / 0.709
UKH 240 / UHV 240-KH/...	24 / 0.945	19 / 0.748	26 / 1.024



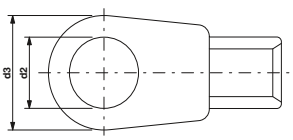
Dimensions for covering hoods and partition plates [mm] / [inch]

Type	a	b	c	d
UHV 25	51 / 2.008	82 / 3.228	70 / 2.756	63 / 2.48
UHV 50	57 / 2.244	97 / 3.819	76 / 2.992	68 / 2.677
UHV 95	59 / 2.323	112 / 4.409	84 / 3.307	75 / 2.953
UHV 150	64 / 2.52	125 / 4.921	98 / 3.858	81 / 3.189
UHV 240	64 / 2.52	143 / 5.63	103 / 4.055	87 / 3.425

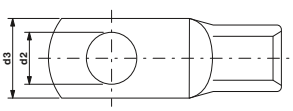
Cable lugs

	Conductor cross section [mm²]/[AWG]		DIN 46234 Hole ∅ d_2 [mm]/[inch]		DIN 46234 Width d_3 [mm]/[inch]		DIN 46235 Hole ∅ d_2 [mm]/[inch]		DIN 46235 Width d_3 [mm]/[inch]		DIN 46237 Hole ∅ d_2 [mm]/[inch]		DIN 46237 Width d_3 [mm]/[inch]	
M 3	0.5	20	3.2	0.126	5	0.197	– / –		– / –		– / –		– / –	
	1	17	3.2	0.126	6	0.236	– / –		– / –		3.2	0.126	6	0.236
	2.5	14	3.2	0.126	6	0.236	– / –		– / –		3.2	0.126	6	0.236
M 5	0.5	20	5.3	0.208	8	0.315	– / –		– / –		– / –		– / –	
	1	17	5.3	0.208	10	0.394	– / –		– / –		5.3	0.208	10	0.394
	2.5	14	5.3	0.208	10	0.394	– / –		– / –		5.3	0.208	10	0.394
	6	10	5.3	0.208	10	0.394	5.3	0.208	8.5	0.335	5.3	0.208	10	0.394
	10	8	5.3	0.208	11	0.433	5.3	0.208	9	0.354	– / –		– / –	
	16	6	5.3	0.208	11	0.433	– / –		– / –		– / –		– / –	
	25	3	5.3	0.208	12	0.472	– / –		– / –		– / –		– / –	
M 6	1.5	16	6.4	0.252	10	0.394	– / –		– / –		– / –		– / –	
	2.5	14	6.4	0.252	11	0.433	– / –		– / –		6.5	0.256	11	0.433
	6	10	6.4	0.252	11	0.433	6.4	0.252	8.5	0.335	6.5	0.256	11	0.433
	10	8	6.4	0.252	11	0.433	6.4	0.252	9	0.354	– / –		– / –	
	16	6	6.4	0.252	11	0.433	6.4	0.252	12	0.472	– / –		– / –	
	25	3	6.4	0.252	12	0.472	6.4	0.252	14	0.551	– / –		– / –	
	35	2	6.4	0.252	16	0.63	– / –		– / –		– / –		– / –	
	50	0	6.4	0.252	18	0.709	– / –		– / –		– / –		– / –	
M 8	2.5	14	8.4	0.331	14	0.551	– / –		– / –		8.4	0.331	14	0.551
	6	10	8.4	0.331	14	0.551	– / –		– / –		8.4	0.331	14	0.551
	10	8	8.4	0.331	14	0.551	– / –		– / –		– / –		– / –	
	16	6	8.4	0.331	14	0.551	8.4	0.331	13	0.512	– / –		– / –	
	25	3	8.4	0.331	16	0.63	8.4	0.331	16	0.63	– / –		– / –	
	35	2	8.4	0.331	16	0.63	8.4	0.331	17	0.669	– / –		– / –	
	50	0	8.4	0.331	18	0.709	8.4	0.331	20	0.787	– / –		– / –	
	70	00	8.4	0.331	22	0.866	8.4	0.331	24	0.945	– / –		– / –	
	95	000	8.4	0.331	24	0.945	– / –		– / –		– / –		– / –	
	120	250 kcmil	8.4	0.331	24	0.945	– / –		– / –		– / –		– / –	
M 10	6	10	10.5	0.413	18	0.709	– / –		– / –		10.5	0.413	18	0.709
	10	8	10.5	0.413	18	0.709	– / –		– / –					
	16	6	10.5	0.413	18	0.709	10.5	0.413	17	0.669				
	25	3	10.5	0.413	18	0.709	10.5	0.413	17	0.669				
	35	2	10.5	0.413	18	0.709	10.5	0.413	19	0.748				
	50	20	10.5	0.413	18	0.709	10.5	0.413	22	0.866				
	70	00	10.5	0.413	22	0.866	10.5	0.413	24	0.945				
	95	000	10.5	0.413	24	0.945	10.5	0.413	28	1.102				
	120	250 kcmil	10.5	0.413	24	0.945	10.5	0.413	32	1.26				
	150	300 kcmil	10.5	0.413	30	1.181	10.5	0.413	34	1.339				
	185	350 kcmil	10.5	0.413	36	1.417	10.5	0.413	37	1.457				
	240	500 kcmil	10.5	0.413	38	1.496	– / –		– / –					
M 12	10	8	13	0.512	22	0.866	– / –		– / –					
	16	6	13	0.512	22	0.866	– / –		– / –					
	25	3	13	0.512	22	0.866	13	0.512	19	0.748				
	35	2	13	0.512	22	0.866	13	0.512	21	0.827				
	50	0	13	0.512	22	0.866	13	0.512	24	0.945				
	70	00	13	0.512	22	0.866	13	0.512	24	0.945				
	95	000	13	0.512	24	0.945	13	0.512	28	1.102				
	120	250 kcmil	13	0.512	24	0.945	13	0.512	32	1.26				
	150	300 kcmil	13	0.512	30	1.181	13	0.512	34	1.339				
	185	350 kcmil	13	0.512	36	1.417	13	0.512	37	1.457				
	240	500 kcmil	13	0.512	38	1.496	13	0.512	42	1.654				
M 16	25	3	17	0.669	28	1.102	– / –		– / –					
	35	2	17	0.669	28	1.102	– / –		– / –					
	50	0	17	0.669	28	1.102	17	0.669	28	1.102				
	70	00	17	0.669	28	1.102	17	0.669	30	1.181				
	95	000	17	0.669	28	1.102	17	0.669	32	1.26				
	120	250 kcmil	17	0.669	28	1.102	17	0.669	32	1.26				
	150	300 kcmil	17	0.669	30	1.181	17	0.669	34	1.339				
	185	350 kcmil	17	0.669	36	1.417	17	0.669	37	1.457				
	240	500 kcmil	17	0.669	38	1.496	17	0.669	42	1.654				

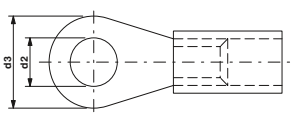
Cable lug DIN 46234: 1980-03



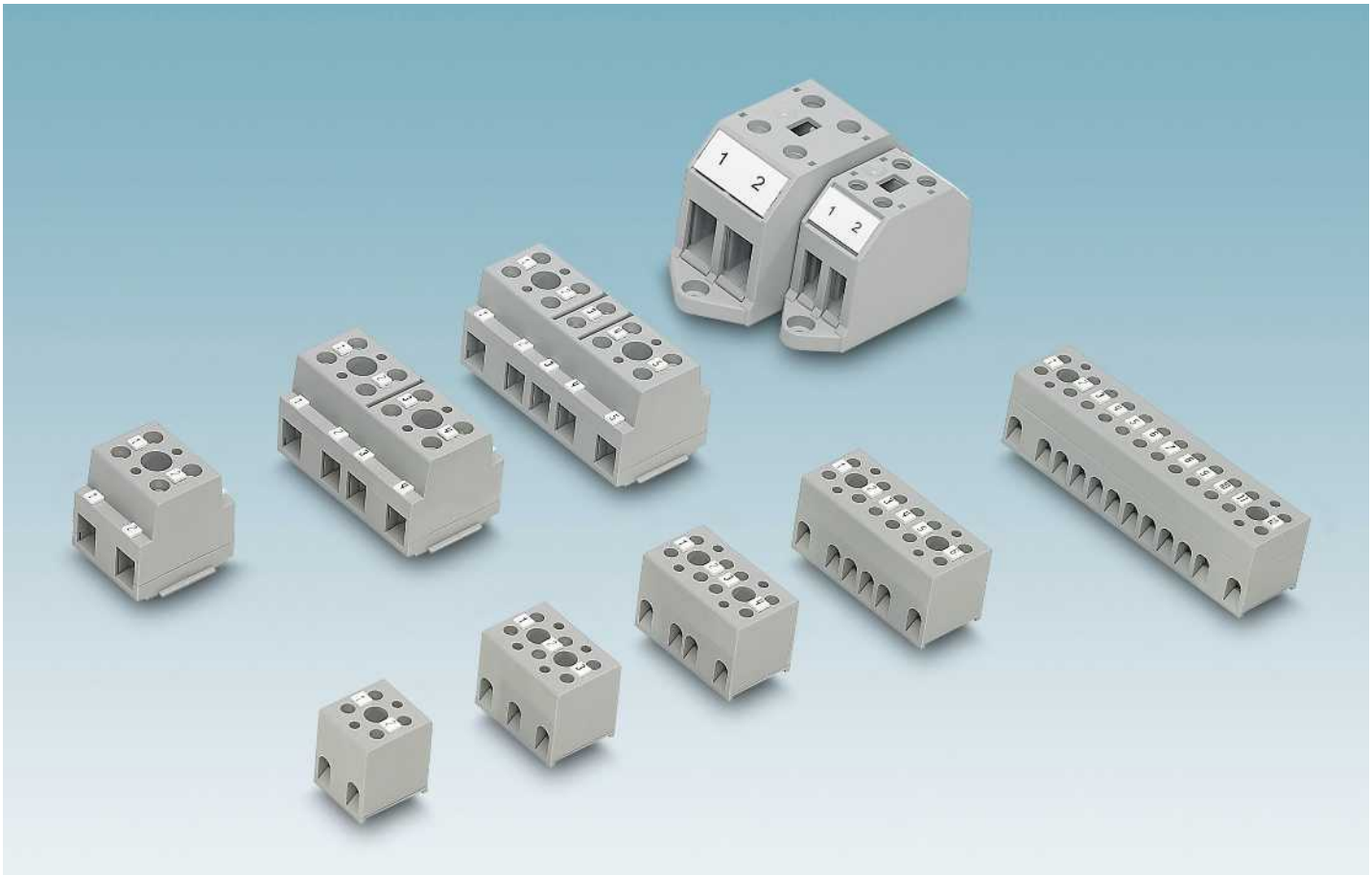
Cable lug DIN 46235: 1980-07



Cable lug DIN 46237



Device terminal blocks





For direct rail-free use

Compact device terminal blocks fitted free of rails are mainly used in network connections for electric and electronic equipment and in small terminal boxes.



Safe conductor connection

The device terminal blocks are designed for very stringent requirements. The screw connection familiar from standard terminal blocks offers:

– Maintenance-free conductor connection
– Simple multiple conductor connection
– Conductor connection with or without ferrule



Extensive program

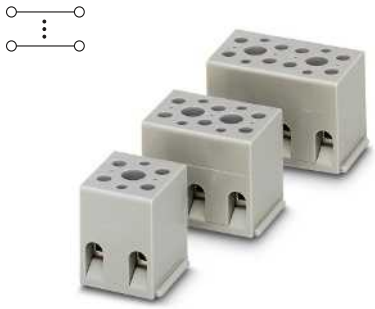
The device terminal block range is available up to a nominal cross section of 35 mm² and 125 A with various numbers of positions. The terminal blocks are clearly and easily identified with the marking material.

Device terminal blocks for direct mounting G 5/G 10 and GE 10...

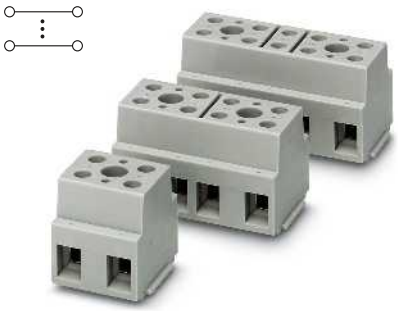
- Finger protection
- The housing ribs engage with one another below on both sides for simple attachment
- Mounting with two screws per block (apart from the 2-pos. version)

Notes:

For drawings and dimensions, visit phoenixcontact.net/products



4 (4) mm², 32 A, terminal block base, multi-position



10 (16) mm², 76 A, terminal block base, multi-position

Technical data

Dimensions		Width	Length	Height	
	[mm]	**20**	**22**	**24**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		32	**500**	**0.2 - 4**	**26 - 10**
Rated data		IEC 60947-7-1/IEC 60998 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26 - 10	28 - 10	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

Dimensions		Width	Length	Height	
	[mm]	**29**	**33**	**31**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		76	**800**	**0.5 - 16**	**24 - 6**
Rated data		IEC 60947-7-1/IEC 60998 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	57 / 10	65 / -	65 / -	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	20 - 6	24 - 6	22 - 6	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 16
2 conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 6	0.5 - 6	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6
General data					
Stripping length	[mm]	12			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Device terminal block, for direct mounting, 2-pos.	gray	**G 5/ 2**	**2716020**	50
3-pos.	gray	**G 5/ 3**	**2716033**	50
4-pos.	gray	**G 5/ 4**	**2716046**	50
5-pos.	gray			
6-pos.	gray	**G 5/ 6**	**2716062**	50
12-pos.	gray	**G 5/12**	**2716127**	50
Device terminal block, for direct mounting, bridged, 2-pos.	orange	**G 5/ 2 B**	**2716305**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
G 10/ 2	**2716703**	10
G 10/ 3	**2716716**	10
G 10/ 4	**2716729**	10
G 10/ 5	**2716732**	10

Accessories

Warning label				
	yellow	**WS-G5/3**	**2720032**	10
	yellow	**WS-G5/4**	**2716499**	10
Marker pin, unprinted, made of plastic, for individual marking with B-STIFT or X-PEN	white	**BN WH**	**1401404**	100
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Accessories

BN WH	**1401404**	100
SZS 1,0X4,0 VDE	**1205066**	10

Device terminal blocks for direct mounting GE 35...

– Finger protection
– Mounting with two screws per block
– Large marking option on terminal points

Notes:
For drawings and dimensions, visit phoenixcontact.net/products





10 (16) mm², 76 A, terminal block base, two-pos.



10 (16) mm², 76 A, terminal block base, two-pos., internally connected

Technical data

Dimensions		Width	Length	Height	
	[mm]	**24.8**	**71.3**	**40**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		76	**1000**	**0.5 - 16**	**-**
Rated data		IEC 60947-7-1/IEC 60998			
		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	-	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	20 - 6	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Device terminal block, for direct mounting, 2-pos.	gray	**GE 10/2**	**3071049**	25
	blue	**GE 10/2 BU**	**3071052**	25
Device terminal block, for direct mounting, bridged, 2-pos.	gray			
2-pos., bridged	blue			
Device terminal block, for direct mounting, 1-pos.	gray			
	blue			
Device terminal block, for direct mounting, 2-pos.	gray			
	blue			
Device terminal block, for direct mounting, bridged, 2-pos.	gray			
	blue			

Accessories

Screwdriver	**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove marking	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**		

Technical data

Width	Length	Height			
24.8	**71.3**	**40**			
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)		
76	**1000**	**0.5 - 16**	**-**		
IEC 60947-7-1/IEC 60998					
IEC	UL	CSA	IEC/ EN 60079-7		
1000	-	-	-		
57 / 10	-	-	-		
10	-	-	-		
20 - 6	-	-	-		
Solid	Stranded	Ferrule without/with plastic sleeve			
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6		
0.5 - 4	0.5 - 4	0.5 - 2.5	-		
-	-	-	0.5 - 6		
10					
M4					
1.5 - 1.8					
PA					
V2					

Ordering data

Type	Order No.	Pcs. / Pkt.
GE 10/2-B	**2701572**	25
GE 10/2-B BU	**2701573**	25

Accessories

SZS 1,0X4,0 VDE	**1205066**	10
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)		



35 (35) mm², 125 A, terminal block base, single-pos.

Technical data

Width	Length	Height	
19.8	**83.7**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
125	**630**	**0.75 - 35**	**-**
IEC 60947-7-1/IEC 60998			
IEC	UL	CSA	IEC/ EN 60079-7
630	-	-	-
125 / 35	-	-	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 6

16	
M6	
3.5 - 4	
PA	
V2	

Ordering data

Type	Order No.	Pcs. / Pkt.
GE 35/1	**3071082**	25
GE 35/1 BU	**3071095**	25

Accessories

SZS 1,0X4,0 VDE	**1205066**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)



35 (35) mm², 125 A, terminal block base, two-pos.

Technical data

Width	Length	Height	
34.8	**83.7**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
125	**630**	**0.75 - 35**	**-**
IEC 60947-7-1/IEC 60998			
IEC	UL	CSA	IEC/ EN 60079-7
630	-	-	-
125 / 35	-	-	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 6

16	
M6	
3.5 - 4	
PA	
V2	

Ordering data

Type	Order No.	Pcs. / Pkt.
GE 35/2	**3071065**	25
GE 35/2 BU	**3071078**	25

Accessories

SZS 1,0X4,0 VDE	**1205066**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)



35 (35) mm², 125 A, terminal block base, two-pos., internally connected

Technical data

Width	Length	Height	
34.8	**83.7**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
125	**630**	**0.75 - 35**	**-**
IEC 60947-7-1/IEC 60998			
IEC	UL	CSA	IEC/ EN 60079-7
630	-	-	-
125 / 35	-	-	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 6

16	
M6	
3.5 - 4	
PA	
V2	

Ordering data

Type	Order No.	Pcs. / Pkt.
GE 35/2-B	**2701569**	25
GE 35/2-B BU	**2701570**	25

Accessories

SZS 1,0X4,0 VDE	**1205066**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

UDB ... trunk line branch terminals





25 (25) mm², 101 A, trunk line branch terminal, 2 x 16 mm² feeders

- The branch terminals from the UDB ... series are suitable for the simple voltage pick-off of main supply cables up to 35 mm²
- The UDB ... blocks are used in counter and marshalling cabinets
- They meet the requirements of DIN VDE 0603–2/EN 60998–1
- The touch-proof blocks can be snapped together in a modular fashion depending on the application and attached to NS 35 DIN rails according to EN 60715
- Available in two terminal block versions up to 25 mm² or up to 35 mm²
- Available in the five current conductor colors, e.g., for three-phase cables

Technical data

Dimensions					
	[mm]	Width	Length	Height NS 35/7,5	
		23	**46**	**42**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		101	**400**	**1.5 - 25**	**-**
Rated data		IEC 60998-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	101 / 25	- / -	- / -	-
Rated cross section	[mm²]	25	-	-	-
Cross section range	AWG	8 - 2	-	-	-
Supply connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	10 - 25	1.5 - 16	1.5 - 10
Branch connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 16	-	1.5 - 10	1.5 - 6
General data					
Stripping length	[mm]	16			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	gray	**UDB 2X25/16 GY**	**3071355**	5
	black	**UDB 2X25/16 BK**	**3071356**	5
	brown	**UDB 2X25/16 BN**	**3071357**	5
	blue	**UDB 2X25/16 BU**	**3071358**	5
	green	**UDB 2X25/16 GN**	**3071359**	5

Accessories

Screwdriver	**SF-PZSL 1-80 S-VDE**	**1212699**	10
Marking	**0815677 EML (15X9)R**		





35 (35) mm², 125 A, trunk line branch terminal, 2 x 25 mm² feeders

EAC

Technical data

Width	Length	Height NS 35/7,5	
27	**55**	**46**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
125	**400**	**10 - 35**	**-**

IEC 60998-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
8 - 2	-	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
10 - 35	10 - 25	10 - 25	10 - 16
Solid	Stranded	Ferrule without/with plastic sleeve	
1.5 - 25	-	1.5 - 16	1.5 - 10

25
PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
UDB 2X35/25 GY	**3071350**	5
UDB 2X35/25 BK	**3071351**	5
UDB 2X35/25 BN	**3071352**	5
UDB 2X35/25 BU	**3071353**	5
UDB 2X35/25 GN	**3071354**	5

Accessories

SF-PZSL 2-100 S-VDE	**1212700**	10
0815677 EML (15X9)R		

PSBJ ... test sockets

– The test sockets are tailored to the special applications encountered in the energy supply industry
– The PSBJ... test socket is used in place of the normal bridge screw and ensures the voltage tap on a bridged group of terminal blocks



4 mm test socket, for URTK/S test disconnect terminal blocks



4 mm test socket, for UK terminal blocks with M4 bridge thread

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Test socket, insulated, for the URTK/S terminal block, M3.5 thread							
	transparent	**PSBJ 3,5/18/6 FARBLOS**	**0311391**	10			
	white	**PSBJ 3,5/18/6 WH**	**0311317**	10			
	red	**PSBJ 3,5/18/6 RD**	**0311320**	10			
	blue	**PSBJ 3,5/18/6 BU**	**0311333**	10			
	yellow	**PSBJ 3,5/18/6 YE**	**0311346**	10			
	green	**PSBJ 3,5/18/6 GN**	**0311359**	10			
	violet	**PSBJ 3,5/18/6 VT**	**0311362**	10			
	gray	**PSBJ 3,5/18/6 GY**	**0311375**	10			
	black	**PSBJ 3,5/18/6 BK**	**0311388**	10			
Test socket, insulated, can be used only with FBI and ISSBI							
	silver				**PSBJ 3/13/4**	**0201304**	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread							
	transparent				**PSBJ 4/15/6 FARBLOS**	**0303419**	10
	white				**PSBJ 4/15/6 WH**	**0303312**	10
	red				**PSBJ 4/15/6 RD**	**0303325**	10
	blue				**PSBJ 4/15/6 BU**	**0303354**	10
	yellow				**PSBJ 4/15/6 YE**	**0303367**	10
	green				**PSBJ 4/15/6 GN**	**0303370**	10
	violet				**PSBJ 4/15/6 VT**	**0303383**	10
	gray				**PSBJ 4/15/6 GY**	**0303396**	10
	black				**PSBJ 4/15/6 BK**	**0303406**	10
Test socket, fully isolated, for safety test plugs							
For the UK 5 N terminal block, thread M3	gray						
For the UK 6 N terminal block, thread M4	gray						
Can be used only with FBI 10-6, thread M3	gray						
Can be used only with FBI 10-8, thread M4	gray						
Test socket, insulated							
	transparent						
	red						
	blue						
	yellow						
	green						
	violet						
	black						
	gray						
	brown						
Test socket, fully insulated, touch-proof according to BGV A 2, for 4 mm Ø safety measuring leads, for universal test disconnect terminal block URTK/S, M3.5 thread							
	red						
	blue						
	yellow						
	green						
	violet						
	black						



4 mm test socket, for safety test plugs, for UK terminal blocks

EAC

Ordering data

Type	Order No.	Pcs. / Pkt.
PSBJ 3/52/6 GY	**3048085**	10
PSBJ 4/41/8 GY	**3206186**	10
PSBJ 3/50/6 GY	**3048098**	10
PSBJ 4/51/8 GY	**3206173**	10



4 mm test socket, for SRTK 6 and URTK 6 test disconnect terminal blocks, M3 thread

EAC

Ordering data

Type	Order No.	Pcs. / Pkt.
PSBJ-URTK 6 FARBLOS	**3026450**	10
PSBJ-URTK 6 RD	**3026719**	10
PSBJ-URTK 6 BU	**3026434**	10
PSBJ-URTK 6 YE	**3026405**	10
PSBJ-URTK 6 GN	**3026418**	10
PSBJ-URTK 6 VT	**3026421**	10
PSBJ-URTK 6 BK	**3026447**	10
PSBJ-URTK 6 GY	**3026612**	10
PSBJ-URTK 6 BN	**3026971**	10



4 mm test socket, for safety test plugs, for URTK/S test disconnect terminal blocks

EAC

Ordering data

Type	Order No.	Pcs. / Pkt.
PSBJ-URTK/S RD	**0311744**	10
PSBJ-URTK/S BU	**0311757**	10
PSBJ-URTK/S YE	**0311731**	10
PSBJ-URTK/S GN	**0311760**	10
PSBJ-URTK/S VT	**0311773**	10
PSBJ-URTK/S BK	**0311728**	10

PSBJ ... test sockets

– Test sockets are also available for the UGSK/S switchable slide-type terminal blocks for testing tasks with 4 mm Ø safety measuring cables

Notes:

[1]) For additional test sockets, visit phoenixcontact.net/products



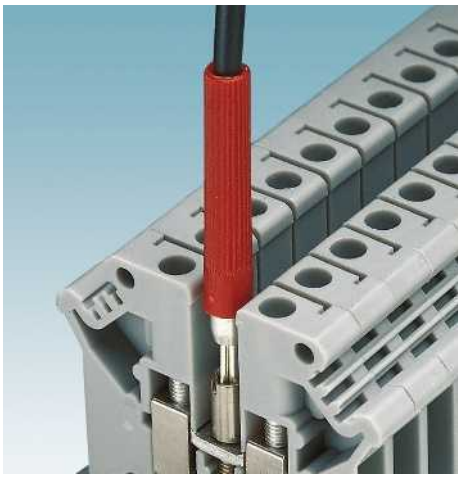
Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.
Test socket				
	orange	**PSBJ-GSK/S-N OG**	**3032890**	10
	yellow	**PSBJ-GSK/S-N YE**	**3032891**	10
	green	**PSBJ-GSK/S-N GN**	**3032892**	10
	violet	**PSBJ-GSK/S-N VT**	**3032893**	10
	blue	**PSBJ-GSK/S-N BU**	**3032894**	10
Test socket, insulated[1])				
	gray			
	brown			
	black			
	red			
	orange			
	white			
	yellow			
	green			
	violet			
	blue			



Ordering data

Type	Order No.	Pcs. / Pkt.
PSBJ 6-T GY	3070316	10
PSBJ 6-T BN	3070317	10
PSBJ 6-T BK	3070318	10
PSBJ 6-T RD	3070319	10
PSBJ 6-T OG	3070320	10
PSBJ 6-T WH	3070324	10
PSBJ 6-T YE	3070326	10
PSBJ 6-T GN	3070327	10
PSBJ 6-T VT	3070328	10
PSBJ 6-T BU	3070329	10

PSB ... test sockets



- PSB ... test sockets are used for a reliable test connection
- All test sockets are screwed into the bridge shaft
- With the PSB 3/10/4, the test connection is provided by the MPS miniature test plug with 2.3 mm diameter
- With the PSB 6/5/6 and PSB 4/7/6, the test plug with 4 mm diameter is used



Test sockets for UK terminal blocks

EAC

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test socket				
For UK 2,5 N, UK 3 N, UK 5 N, URTK/SS terminal blocks, M3 thread	silver	**PSB 3/10/4**	**0601292**	10
For the UK 6 N, UK 10 N, UK 16 N terminal blocks, M4 thread	silver	**PSB 4/7/6**	**0303299**	10
For UK 35 terminal block, M6 thread	silver	**PSB 6/5/6**	**0205290**	10

PS-... modular test plug

- The PS-...2,3MM modular test plugs can be used to put together individual test adapters
- The test plug reliably makes contact in the bridge shaft and in all test sockets with a 2.3 mm or 4 mm diameter
- The PS-UK ... modular test plugs are simply placed on the bridge shaft of the corresponding terminal block and latched by pressing down the locking pin





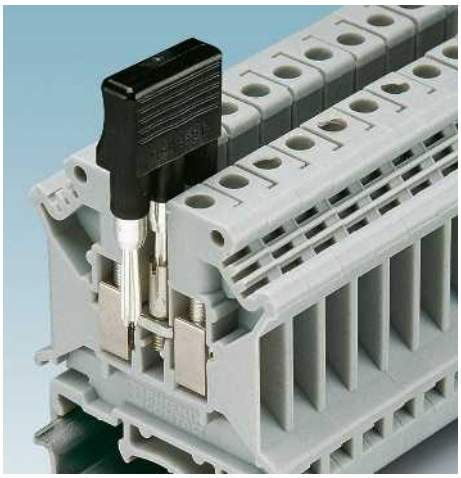
EAC

EAC

Technical data		Technical data	
General data			
Insulating material	PA	PA	
Inflammability class according to UL 94	V0	V2	
Temperature range [°C]	-40 ... 125	-40 ... 115	

Ordering data					Ordering data			
Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Test plug, consisting of: **metal part** for 4 mm Ø socket hole And	1			**PS-MT**	**0311647**	10			
Insulating sleeve for PS metal part		6 mm	white	**PS-IH WH**	**0311566**	10			
		6 mm	red	**PS-IH RD**	**0311579**	10			
		6 mm	blue	**PS-IH BU**	**0311582**	10			
		6 mm	yellow	**PS-IH YE**	**0311595**	10			
		6 mm	green	**PS-IH GN**	**0311605**	10			
		6 mm	violet	**PS-IH VT**	**0311618**	10			
		6 mm	gray	**PS-IH GY**	**0311621**	10			
		6 mm	black	**PS-IH BK**	**0311634**	10			
Test plug metal part, 2.3 mm Ø	1	5 mm	silver	**MPS-MT**	**0201744**	10			
Test plug, consisting of: **metal part** for 4 mm Ø socket hole And 4 mm Ø	1		silver	**MPS-MT/ 4MM**	**3048577**	10			
Modular test plug housing, for MPS metal part, can be marked with ZB 5	1	5.2 mm	red	**PS-5/2,3MM RD**	**3038723**	10			
Modular test plug housing, for MPS metal part, can be marked with ZBF 6	1	6.2 mm	red	**PS-6/2,3MM RD**	**3038736**	10			
Modular test plug housing, marking with ZBF 7.5	1	7.5 mm	red	**PS-7,5/2,3MM RD**	**3038749**	10			
Modular test plug housing, marking with ZBF 8	1	8 mm	red	**PS-8/2,3MM RD**	**3048564**	10			
Individual test plug, available as: 1-pos., can be aligned in any number, for terminal blocks UK 2.5 N, UK 3 N, UK 5 N, UK 3-TWIN, UK 5-TWIN	1	5 mm	red				**PS-UK 2,5 B/E**	**3001132**	10
Modular test plug, available as: set of 10 with connection pin, can be snapped together as desired, for UK 2,5 N, UK 3 N, UK 3-TWIN terminal blocks Pitch 5.2 mm	1	5 mm	red				**PS-UK 2,5 B/Z-5**	**3001226**	1
Modular test plug, available as: set of 10 with connection pin, can be snapped together as desired, for UK 5 N, UK 5-TWIN terminal blocks Pitch 6.2 mm	1	5 mm	red				**PS-UK 2,5 B/Z-6**	**3001239**	1
An individual double-level test plug, makes contact in the upper and lower level simultaneously, available as: 1-pos., for UKK 3, UKK 3-LOER, UKKB 3, UKK 5, UKK 5-DIO, UKKB 5, UTTB ...	1	7.6 mm	red				**PS-UKK/E**	**3000641**	10
Modular double-level test plug, makes contact in the upper and lower level simultaneously, available as: 10-pos. blocks with two connection pins, for UKK 3, UKKB 3, UTTB 2,5	10	54.6 mm	red				**PS-UKK 3**	**3000638**	1
Modular double-level test plug, makes contact in the upper and lower level simultaneously, available as: 10-pos. blocks with two connection pins, for UKK 5, UKK 5-DIO, UKKB 5, UTTB 4	10	64.6 mm	red				**PS-UKK 5**	**3000625**	1

KSS ... short-circuit plug



- Short-circuit plugs allow two or more neighboring terminal blocks, fitted with the PSB ... or PSBJ ... test sockets, to be easily short circuited
- The KSSI ... short-circuit plugs are suitable for use on isolated 4 mm test sockets for safety test plugs



2, 3, and 4-pos. short-circuit connectors

EAC

Technical data

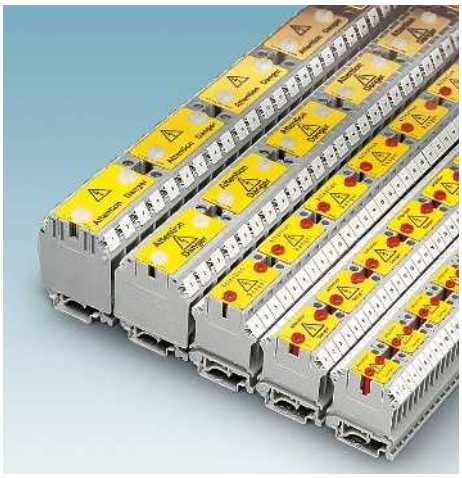
General data	
Material	PA
Inflammability class according to UL 94	V2

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ					
Pitch 5.2 mm	2	black	**KSS 5**	**2303543**	10
Pitch 6.2 mm	2	black	**KSS 6**	**0301547**	10
Pitch 8.2 mm	2	black	**KSS 8**	**0311540**	10
Pitch 10.2 mm	2	black	**KSS 10**	**0310541**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 6.2 mm pitch					
	3	black	**KSS 3- 6**	**0309523**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch					
	4	black	**KSS 4- 8**	**0309549**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.					
	2	black	**KSSI 2-8**	**3000722**	10
	4	black	**KSSI 4-8**	**3000735**	10



WS ... warning labels

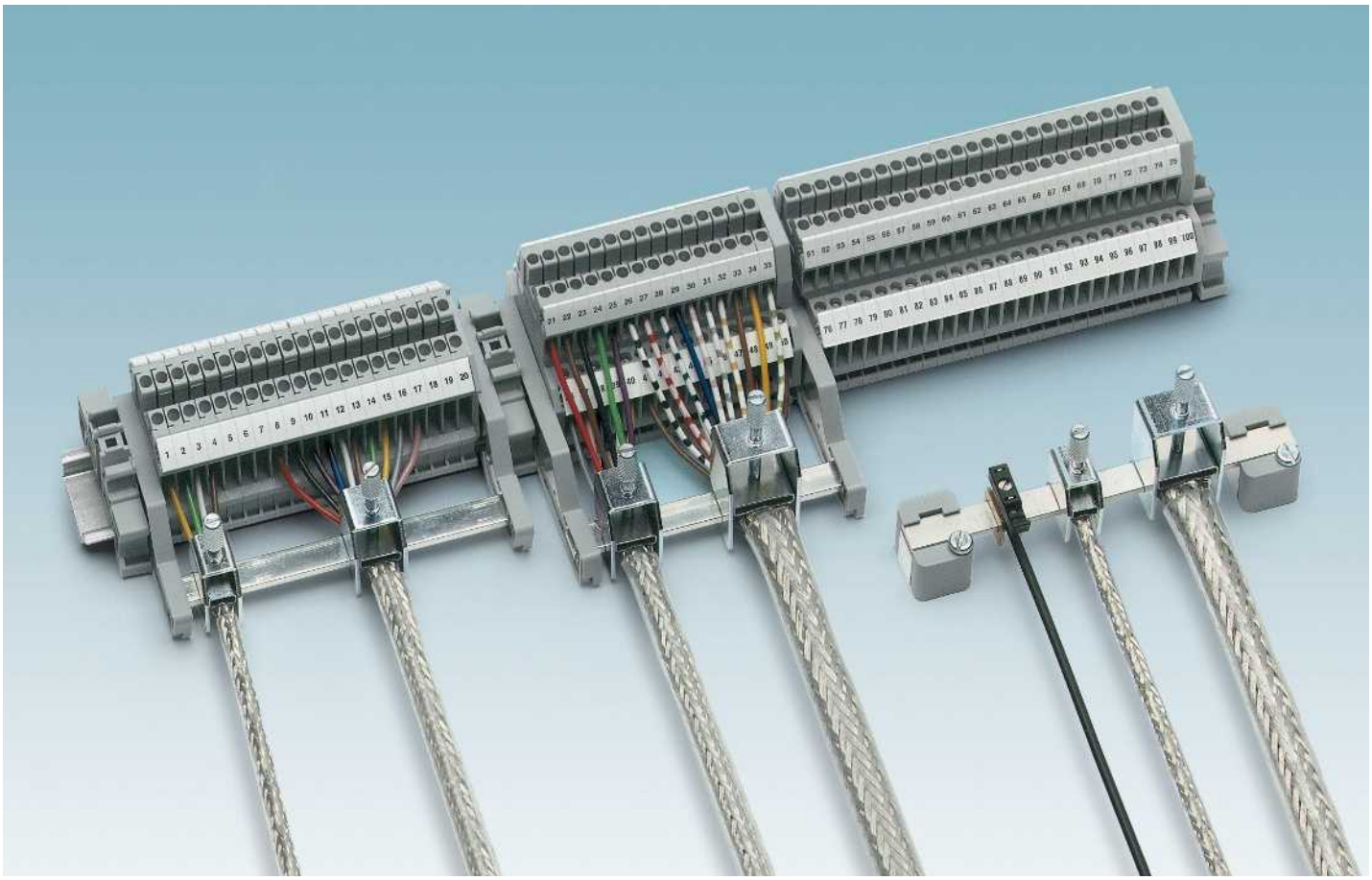


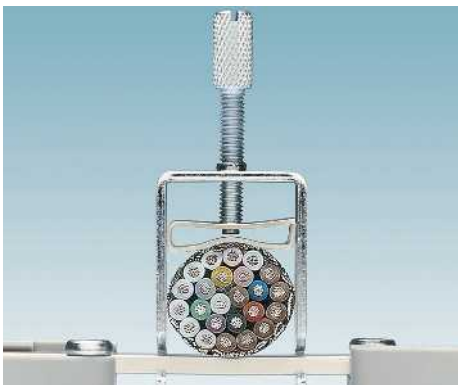
- Network connection terminal blocks are reliably covered and marked using warning labels
- This prevents accidental actuation of the terminal points
- The warning labels are secured in the bridge shafts of the UK ... terminal blocks using plastic screws



Warning labels for UK feed-through terminal blocks

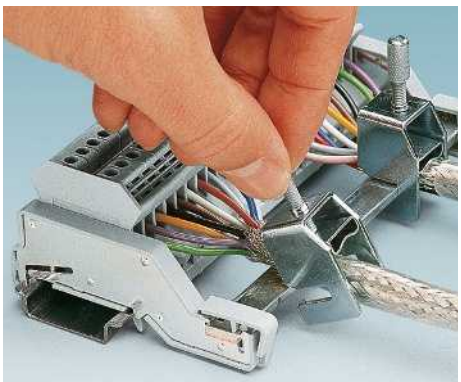
Description	Color	Ordering data		
		Type	**Order No.**	Pcs. / Pkt.
Warning label, with 2 plastic screws, pitch 5 mm				
covers 3 t.b.s	yellow	**WS 3- 5**	**0805357**	10
covers 4 t.b.s	yellow	**WS 4- 5**	**0805344**	10
covers 5 t.b.s	yellow	**WS 5- 5**	**0805331**	10
Warning label, with 2 plastic screws, pitch 6 mm				
covers 3 t.b.s	yellow	**WS 3- 6**	**1004115**	10
covers 4 t.b.s	yellow	**WS 4- 6**	**1004209**	10
covers 5 t.b.s	yellow	**WS 5- 6**	**1004403**	10
Warning label, with 2 plastic screws, pitch 8 mm				
covers 3 t.b.s	yellow	**WS 3- 8**	**1004128**	10
covers 4 t.b.s	yellow	**WS 4- 8**	**1004212**	10
covers 5 t.b.s	yellow	**WS 5- 8**	**1004416**	10
Warning label, with 2 plastic screws, pitch 10 mm				
covers 4 t.b.s	yellow	**WS 4-10**	**1004225**	10
covers 5 t.b.s	yellow	**WS 5-10**	**1004429**	10
Warning label, with 2 plastic screws, pitch 12 mm				
covers 4 t.b.s	yellow	**WS 4-12**	**0805328**	10
covers 5 t.b.s	yellow	**WS 5-12**	**0805315**	10
Warning label, with two plastic screws, pitch 15 mm				
covers 4 t.b.s	orange	**WS 4-15**	**1004241**	10
covers 5 t.b.s	orange	**WS 5-15**	**1004445**	10





Large shield support

Shield terminals are suitable for all standard cable shields and allow for EMC-compliant wiring through large surfaces and low-impedance and low-resistance contact transitions.



Easy to install

The shield connection terminal blocks offer optimum wiring convenience. Only once the terminal strip has been wired is the shield connection terminal block mounted by simply pivoting it into place.

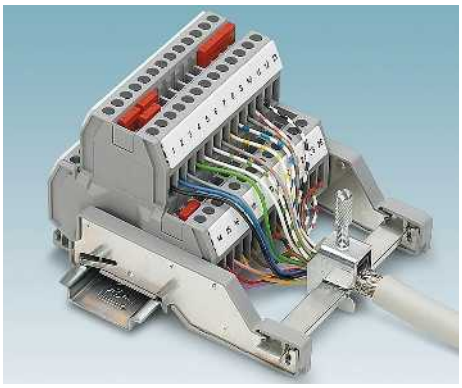


Safe contact

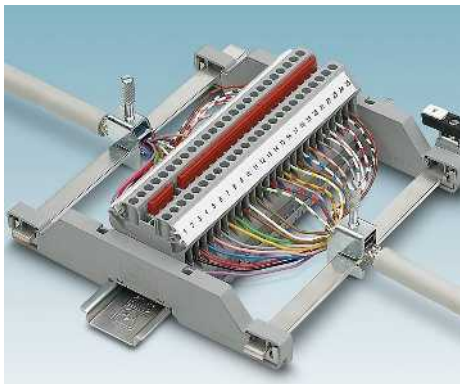
Phoenix Contact support frames for shield terminals are easily snapped onto the mounting rail. The integrated contact metals allow the ground potential to be automatically connected to the busbar.



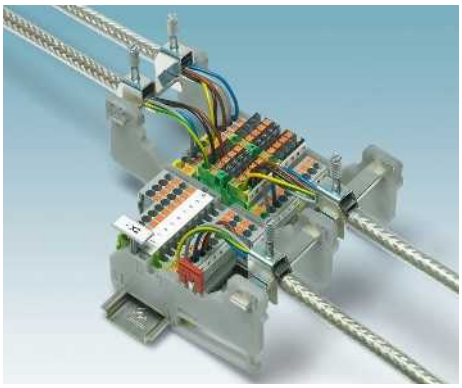
Conductors with a diameter of 2 to 35 mm can make optimum contact with the shield terminals of the SK series without any special tools and are available for various types of mounting.



The single-sided AB-SK shield support frames are particularly well suited to space-saving conductor connection for terminal blocks and devices with cable entry at the side.



The double support bracket offers simple handling with optimum EMC properties for the two-sided support of a shielded cable. Either an isolated or grounded structure can be used.



The easiest way to wire terminal blocks with a front connection is using AB-SK TOP support frames located above the blocks. The NLS rail can be mounted in the support frames vertically, horizontally or at a 45° angle for optimum conductor placing.



The 3 x 10 mm PEN conductor busbar can also be quickly and safely snapped into the contact zone. The ground potential is thereby automatically connected to the busbar.



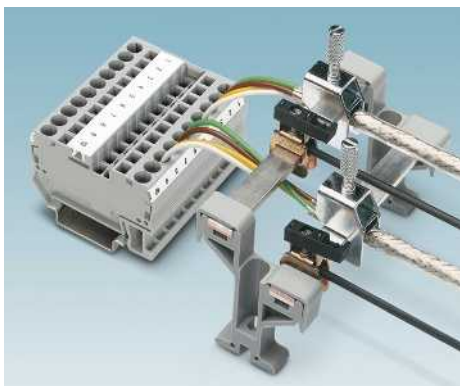
Having the same design as the SK series, shield supports with SK ...-D terminal blocks can also be realized directly on the mounting plate or back wall. The terminal blocks are simply pivoted into the two slots above the conductor.



Support frames with a lateral metal insert for the PEN conductor busbar or T-shaped compact AB-SK/E support frames are used to freely position the shield terminals on the mounting plate.



Alternatively, the shielding can also be connected to ground potential isolated from protective earth ground. An appropriate contact to the PEN conductor busbar is established using a pick-off terminal block.



The easiest way to wire terminal blocks with a front connection is using support frames located above the blocks. This method also allows multi-level terminal blocks with short wiring paths to be connected in compliance with EMC requirements.

SK ... shield terminals

The screw-type shield connection terminal blocks of the SK series are characterized by:
– Simple handling
– Knurled screw
– Spring-loaded, large pressure piece
– Suitability for direct and busbar mounting

Notes:

For dimensional drawings, see page 523



Shield terminals for busbar mounting



Shield terminals for direct mounting

EAC

Description	Color	Type	Order No.	Pcs. / Pkt.
Shield terminal, for applying the shield to busbars, contact resistance < 1 mΩ				
Ø 2 - 5 mm, tightening torque 0.4 Nm	silver	**SK 5**	**3025338**	10
Ø 3 - 8 mm, tightening torque 0.6 Nm	silver	**SK 8**	**3025163**	10
Ø 3 - 14 mm, tightening torque 0.8 Nm	silver	**SK 14**	**3025176**	10
Ø 5 - 20 mm, tightening torque 0.8 Nm	silver	**SK 20**	**3025189**	10
Ø 5 - 28 mm, tightening torque 1 Nm	silver	**SK 28**	**3026997**	10
Ø 20 - 35 mm, tightening torque 1.5 - 1.8 Nm	silver	**SK 35**	**3026463**	10

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		**NLS-CU 3/10 SN 1000MM**	**0402174**	10

EAC

Description	Color	Type	Order No.	Pcs. / Pkt.
Shield terminal, for applying the shield directly to the conductive mounting plates, plate thickness 1-2 mm				
Ø 2 - 5 mm, tightening torque 0.4 Nm	silver	**SK 5-D**	**3025406**	10
Ø 3 - 8 mm, tightening torque 0.6 Nm	silver	**SK 8-D**	**3026861**	10
Ø 3 - 14 mm, tightening torque 0.8 Nm	silver	**SK 14-D**	**3026874**	10
Ø 5 - 20 mm, tightening torque 0.8 Nm	silver	**SK 20-D**	**3026887**	10
Ø 5 - 28 mm, tightening torque 1 Nm	silver	**SK 28-D**	**3027006**	10
Ø 20 - 35 mm, tightening torque 1.5 - 1.8 Nm	silver	**SK 35-D**	**3026890**	10

Accessories

SKS ... shield terminals

– The SKS ... spring shield terminals are available for cable and conductor diameters of between 3 and 20 mm
– Three different forms of mounting are possible: on NS 35 DIN rails, on busbars or directly on conductive mounting plates

Notes:
For dimensional drawings, see page 523



Shield terminals for busbar and direct mounting



Shield terminals for DIN rail mounting

EAC

Description	Color	Type	Order No.	Pcs. / Pkt.
Shield terminal, for applying the shield to busbars, contact resistance < 1 mΩ				
Ø 3 - 8 mm	silver	**SKS 8**	**3240210**	10
Ø 3 - 14 mm	silver	**SKS 14**	**3240211**	10
Ø 5 - 20 mm	silver	**SKS 20**	**3240212**	10
Shield terminal, for directly applying the shield to conductive mounting plates, metal thickness 1 - 2 mm, with M4 fastening screw				
Ø 3 - 8 mm	silver	**SKS 8-D**	**3240213**	10
Ø 3 - 14 mm	silver	**SKS 14-D**	**3240214**	10
Ø 5 - 20 mm	silver	**SKS 20-D**	**3240215**	10
Shield terminal, with screwfix, mounting on NS 35... DIN rail, for shield support on busbars				
Ø 3 - 8 mm	silver			
Ø 3 - 14 mm	silver			
Ø 5 - 20 mm	silver			
Shield terminal, with snap-on foot,mounting on NS 35... DIN rail, for shield support on busbars				
Ø 3 - 8 mm	silver			
Ø 3 - 14 mm	silver			
Ø 5 - 20 mm	silver			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A			
	NLS-CU 3/10 SN 1000MM	**0402174**	10

EAC

Type	Order No.	Pcs. / Pkt.
SKS 8-NS35	**3240216**	10
SKS 14-NS35	**3240217**	10
SKS 20-NS35	**3240218**	10
SKS 8-SNS35	**3062786**	10
SKS 14-SNS35	**3062799**	10
SKS 20-SNS35	**3062809**	10

Accessories

NLS-CU 3/10 SN 1000MM	**0402174**	10

Support bracket for shield support on one side



AB-SK TOP

– For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
– The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally, and at a 45° angle for optimum conductor placing
– Compact design in a 5.2 mm pitch
– Can be marked with zack marker strip and KLM ... terminal strip marker; see Catalog 5
– Parking facility for FBS jumpers
– End holder function
– For mounting SK and SKS shield terminals

AB-SK

– The single-sided shield AB-SK shield support frames are particularly well suited to space-saving conductor connection for terminal blocks and devices with a cable entry at the side
– Available in two lengths
– For mounting SK ... shield terminals

AB-SKS

– For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
– Isolated to DIN rail
– End holder function
– For mounting SK and SKS shield terminals



Support bracket frame, tall, for SK and SKS shield terminals

Technical data

Dimensions	Width	Length	Height NS 35/7,5
[mm]	5.2	102.4	63.2

General data	
Material	PA

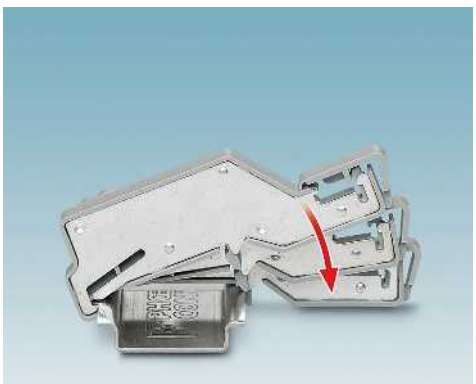
Ordering data

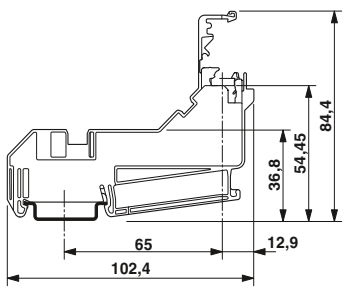
Description	Color	Type	Order No.	Pcs. / Pkt.
Support bracket frame with end holder function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK and SKS shield terminals	gray	**AB-SK TOP**	**3062090**	10
Support bracket with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield terminals	gray	**AB-SK TOP INSULATED**	**3062074**	10
Support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK ... shield terminals	gray			
Support bracket, 65 mm, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK ... shield terminals	gray			
Support bracket with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield terminals	gray			

Accessories

Description	Color	Type	Order No.	Pcs. / Pkt.
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10

Lateral groove marking	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Lateral groove marking	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**





AB-SK TOP



Support bracket frame, for SK ... shield terminals



Support bracket, 65 mm long, for SK ... shield terminals



Isolated support bracket, tall, for SK and SKS shield terminals

Technical data

Width	Length	Height NS 35/7,5
6.2	**77.35**	**28.7**

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK	**3025341**	10

Accessories

NLS-CU 3/10 SN 1000MM	**0402174**	10

Technical data

Width	Length	Height NS 35/7,5
6.2	**95.5**	**28.7**

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK 65	**3026489**	10

Accessories

NLS-CU 3/10 SN 1000MM	**0402174**	10

Technical data

Width	Length	Height NS 35/7,5
9.5	**97.8**	**46.9**

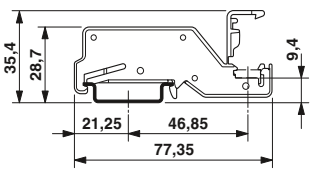
PA

Ordering data

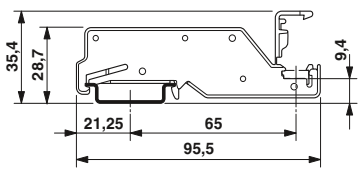
Type	Order No.	Pcs. / Pkt.
AB-SKS 60	**3240223**	10

Accessories

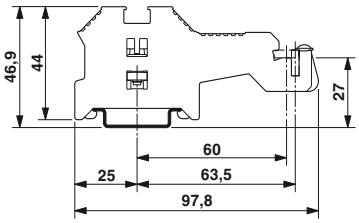
NLS-CU 3/10 SN 1000MM	**0402174**	10



AB-SK

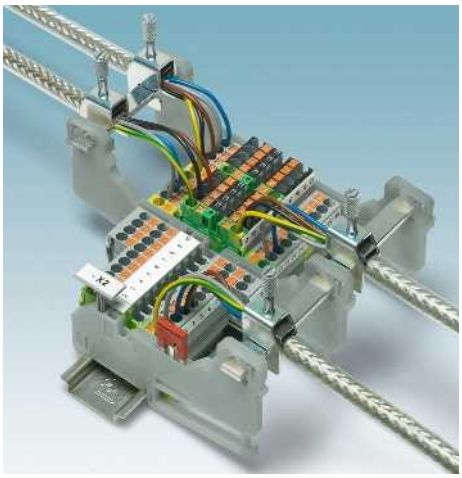


AB-SK 65



AB-SKS 60

Double support bracket for shield support on both sides



AB-SK-D TOP

- For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
- The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally, and at a 45° angle for optimum conductor placing
- Compact design in a 5.2 mm pitch
- Can be marked with zack marker strip and KLM ... terminal strip marker; see Catalog 5
- Parking facility for bridges and connectors
- For mounting SK and SKS shield terminals

AB-SK 65-D

- The double shield support frames are particularly well suited to space-saving conductor connections for terminal blocks and devices with cable entry at the side
- Available in two lengths
- For mounting SK ... shield terminals



Double support bracket, tall, for SK and SKS shield terminals

Technical data

Dimensions		
Width	Length	Height NS 35/7,5
[mm]		
5.2	**155.8**	**-**

General data	
Material	PA

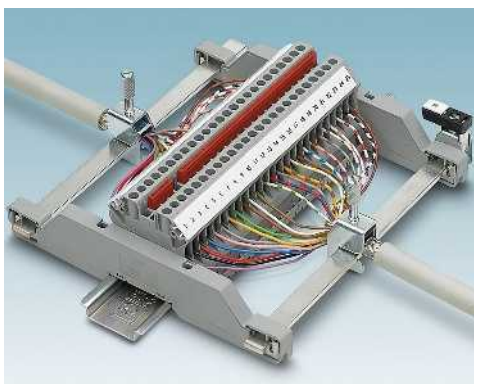
Ordering data

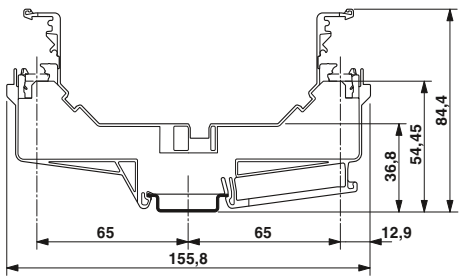
Description	Color	Type	Order No.	Pcs. / Pkt.
Double support bracket with end bracket function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK and SKS shield terminals	gray	**AB-SK-D TOP**	**3062100**	10
Double support bracket with end bracket function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield terminals	gray			
Double support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK ... shield terminals	gray			
Double support bracket, 65 mm, for mounting on NS 35..., isolated to NS 35... for accommodating 3 x 10 mm busbars, SK ... shield terminals	gray			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10

Lateral groove marking	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Lateral groove marking	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**





AB-SK-D TOP



Isolated, double support bracket, tall, for SK and SKS shield terminals



Double support bracket, tall, for SK ... shield terminals



Isolated, double support bracket, tall, for SK ... shield terminals

Technical data

Width	Length	Height NS 35/7,5
5.2	**155.8**	**-**

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK-D TOP INSULATED	**3062087**	10

Accessories

NLS-CU 3/10 SN 1000MM	**0402174**	10
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)		
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)		

Technical data

Width	Length	Height NS 35/7,5
8.2	**150**	**28.7**

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK 65-D	**3026900**	10

Accessories

NLS-CU 3/10 SN 1000MM	**0402174**	10

Technical data

Width	Length	Height NS 35/7,5
8.2	**150**	**28.7**

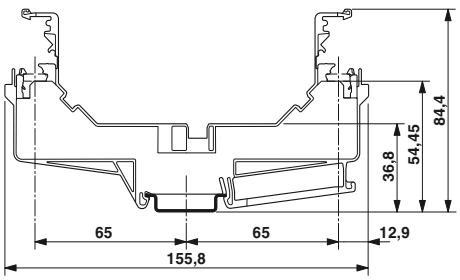
PA

Ordering data

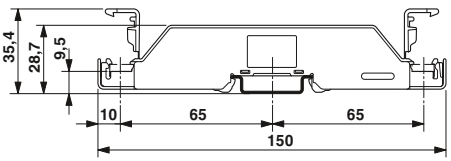
Type	Order No.	Pcs. / Pkt.
AB-SK 65-D INSULATED	**3040889**	10

Accessories

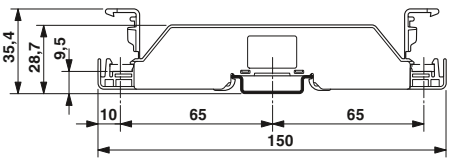
NLS-CU 3/10 SN 1000MM	**0402174**	10



AB-SK-D TOP INSULATED



AB-SK 65-D



AB-SK 65-D INSULATED

Support bracket frame for direct mounting

The support frames are available in the following versions:
– AB/SS for isolated installation on the mounting plate and
– AB/SS-M for non-isolated installation on the mounting plate
– For mounting SK and SKS shield terminals

Notes:
For dimensional drawings, see phoenixcontact.net/products

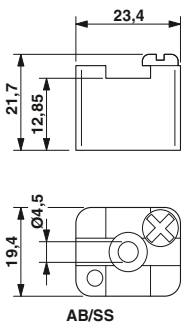


Support bracket for SK ... shield terminals

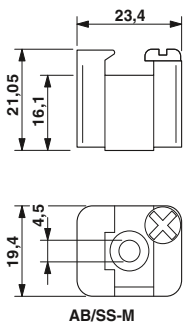


Support bracket for SK ... shield terminals and SKS

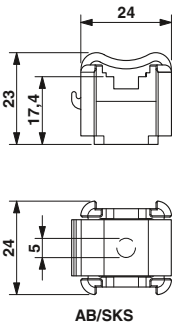
	Technical data			Technical data		
General data						
Material	PA			PA		
	Ordering data			**Ordering data**		
Description / Color	**Type**	**Order No.**	Pcs. / Pkt.	**Type**	**Order No.**	Pcs. / Pkt.
Support bracket, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars, gray	**AB/SS**	**0404428**	10			
Support bracket, with contact to the mounting plate, with retaining screw, for 3 x 10 mm busbars, gray	**AB/SS-M**	**3025888**	10			
Support bracket, insulated, for 3 x 10 mm or 6 x 6 mm busbars, gray				**AB/SKS**	**3240224**	10
	Accessories			**Accessories**		
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A, silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10	**NLS-CU 3/10 SN 1000MM**	**0402174**	10



AB/SS



AB/SS-M



AB/SKS

Multi-level support bracket for direct mounting



- Double and triple support frames for different busbars
- Type allows for an extremely compact design using large amounts of wiring, e. g. for multi-level front connection terminal blocks
- Support frames are isolated
- Direct mounting



Support bracket, multi-level, insulated

Technical data

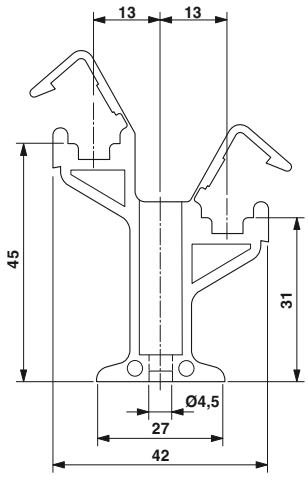
General data	
Material	PA

Ordering data

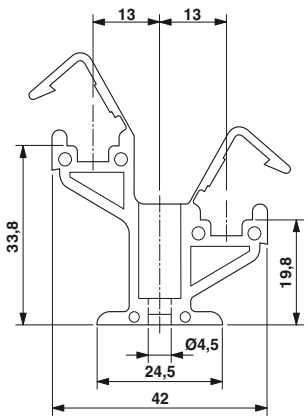
Description	Color	Type	Order No.	Pcs. / Pkt.
Double support bracket, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar				
Height 48 mm	gray	**AB2/SS**	**0404431**	10
Height 36.8 mm	gray	**ABN 2/SS**	**0404460**	10
Triple support bracket, made from isolation material	gray	**AB3/SS**	**0800086**	10

Accessories

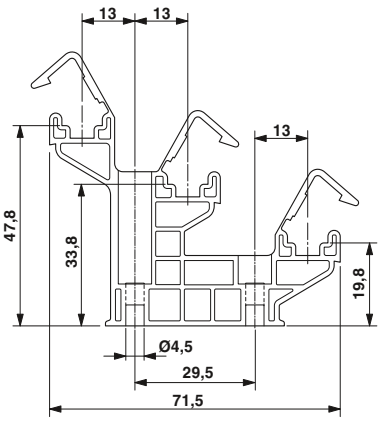
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
PEN conductor busbar, according to DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 6/ 6 SN 1000MM**	**0402161**	10



AB2/SS



ABN 2/SS



AB3/SS

Support bracket frame for direct and DIN rail mounting





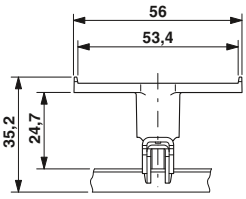
- T-shaped support frames for space-saving direct mounting and free positioning on the mounting plate
- Suitable for shield terminals SK 5 to SK 14, SKS 8 and SKS 14
- Version for NS 35 DIN rail mounting

Technical data

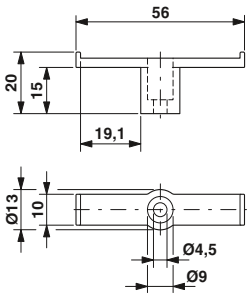
General data	
Material	Aluminum

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support bracket, for direct mounting with contacting on the mounting surface	silver	**AB-SK/E**	**3026476**	10
Support bracket frame, for mounting on NS 35 DIN rails	silver	**AB-SK/E-NS 35**	**3213111**	10



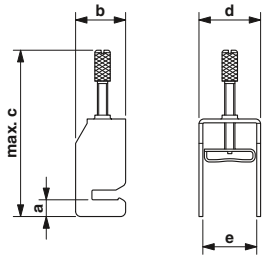
AB-SK/E-NS 35



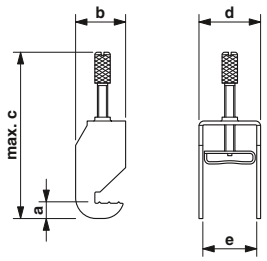
AB-SK/E

SK shield terminals

Dimensions in mm	a	b	c	d	e
SK 5	6.5	19.5	46.8	9	6
SK 8	6.5	19.5	48.7	12	9
SK 14	6.5	19.5	59.3	17	14
SK 20	6.5	19.5	75	24	21
SK 28	6.5	20	93	32	28
SK 35	6.5	20	106.5	40	36
SK 5-D	6.5	19.5	46.8	9	6
SK 8-D	6.5	19.5	47.2	12	9
SK 14-D	6.5	19.5	57.8	17	14
SK 20-D	6.5	19.5	73.5	24	21
SK 28-D	6.5	20	91.5	32	28
SK 35-D	6.5	20	105.0	41	36



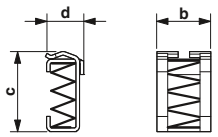
SK ...



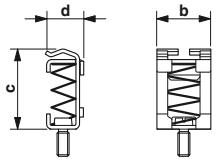
SK ...-D

SKS shield terminals

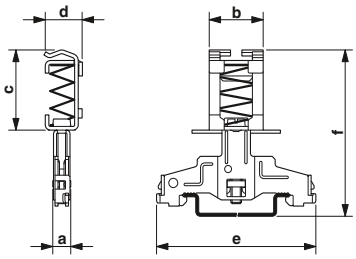
Dimensions in mm	a	b	c	d	e	f
SKS 8	–	18	26	12.4	–	–
SKS 14	–	21	32	19	–	–
SKS 20	–	27	40.5	24.7	–	–
SKS 8-D	–	18	26	12.4	–	–
SKS 14-D	–	21	32	19	–	–
SKS 20-D	–	27	40.5	24.7	–	–
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

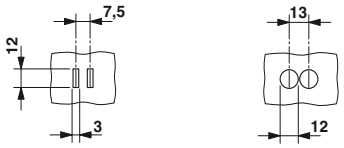


SKS ...-NS35

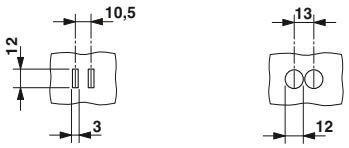
Drilling and punching patterns for SK...-D

Punching template

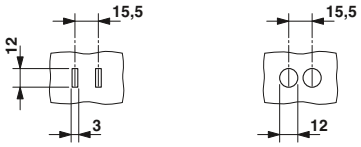
Drilling plan



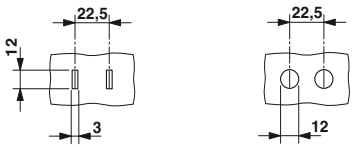
SK 5-D



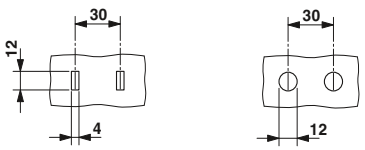
SK 8-D



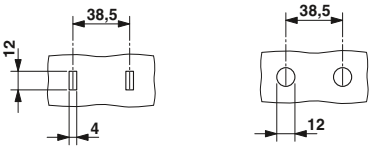
SK 14-D



SK 20-D



SK 28-D



SK 35-D


1b 2b 3b 4b 5b 6b 7b 8b 9b 10b 11b 12b 13b 14b 15b
1a 2a 3a 4a 5a 6a 7a 8a 9a 10a 11a 12a 13a 14a 15a
L3
L2
L1
reddot award 2014
winner industrial design

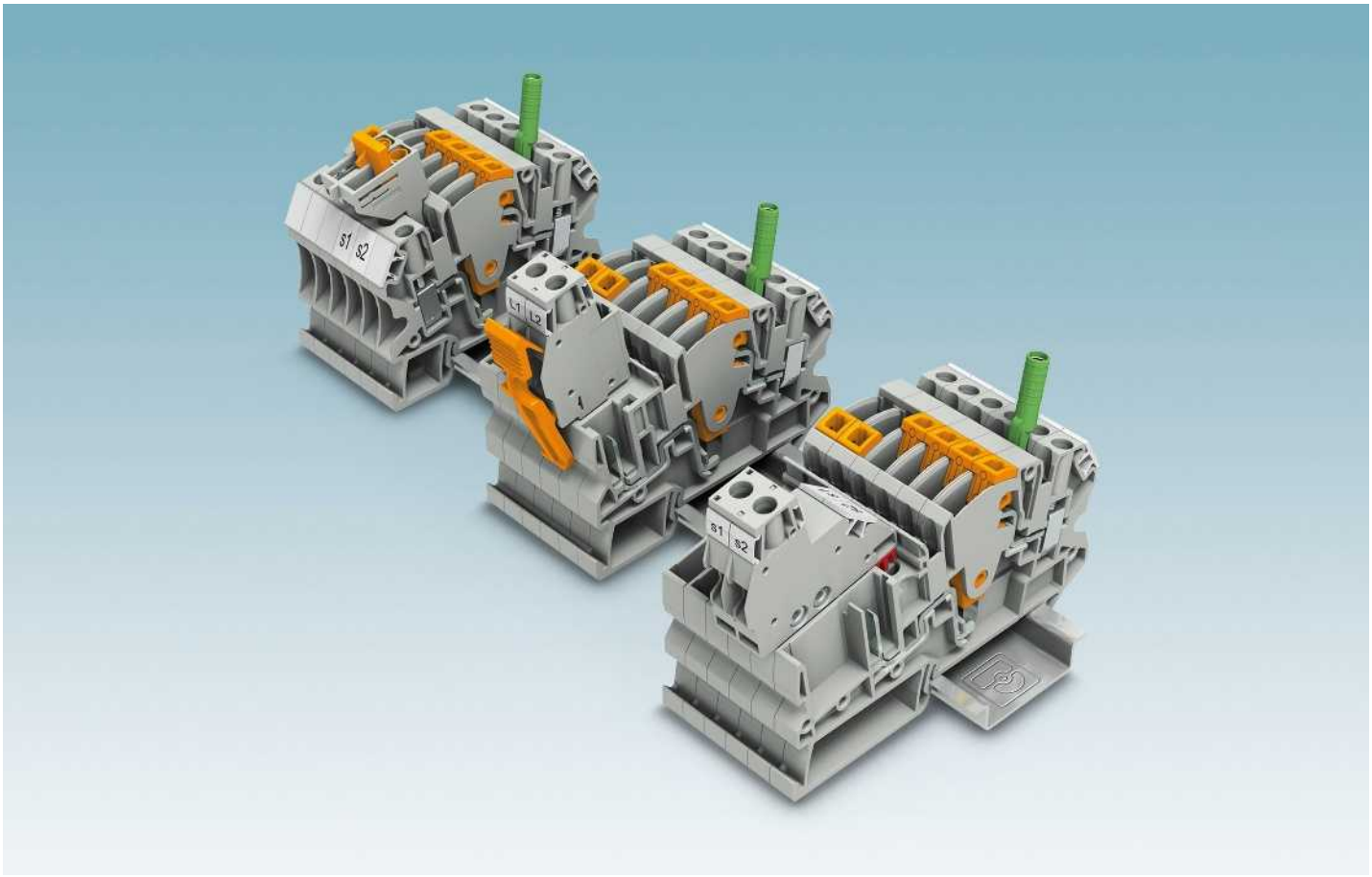
Sector-specific solutions

With CLIPLINE complete, the right terminal block system is available for every industry.
The various connection technologies cover the requirements of all applications and uses. Numerous international approvals and comprehensive standard tests ensure safe usage in all branches of industry.
Special requirements, such as those affecting the rail industry, shipbuilding or explosion-protected areas in process technology and process engineering, are also taken into account.

We also offer innovative solutions for industry-specific requirements, such as:
- Modular products with system accessories for current transformer test circuits in energy technology
- Marshalling terminals for space-saving, clear wiring in process technology
- Tailor-made solutions to satisfy the requirements of photovoltaics and building installation

Product range overview

Solutions for energy technology	**526**
Test disconnect terminal blocks for DIN rail mounting	**526**
Modular plug-in test system without operating plug	**528**
Modular plug-in test system with operating plug	**560**
Rotary switches	**568**
Solutions for process technology	**582**
Solutions for photovoltaics	**584**
Solutions for building installation	**586**

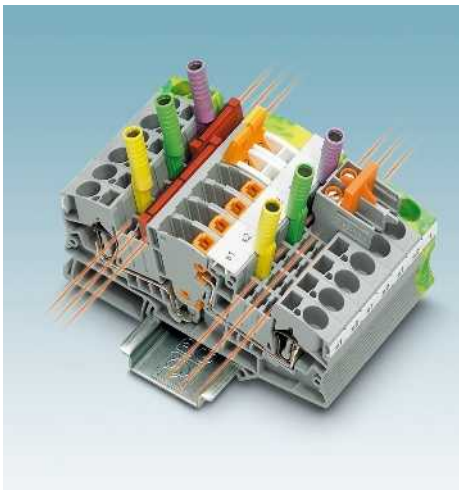


Phoenix Contact has provided the power supply sector with test disconnect terminal blocks for all current transformer and voltage transducer applications for many decades. In addition to the standard terminal blocks, the test disconnect terminal blocks are an integral part of the Phoenix Contact product portfolio.
The new ME series test disconnect terminal blocks from the CLIPLINE complete system enable the easy and individual structuring of measuring transducer sets. The plug-in accessories for testing and short circuiting the current transformers as well as the potential distribution can be placed within the terminal strip according to the application. All switching statuses within the terminal strip are clearly visible.

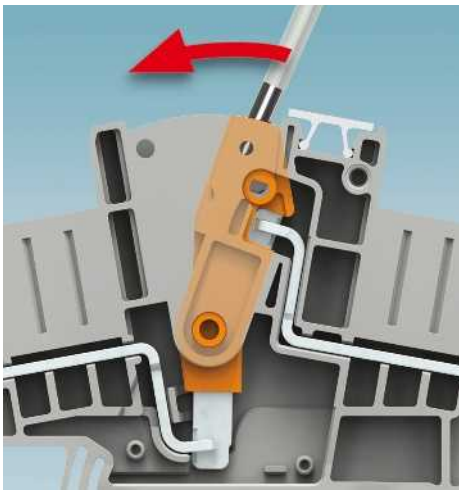
Consistent use of plug-in CLIPLINE complete system accessories helps to reduce mounting and storage costs. This series is also available with screw, spring-cage, and push-in connection technology. The current transformers and voltage transducers can be wired particularly conveniently thanks to the plug-in test disconnect terminal blocks. When the patented current transformer plugs are removed, an automatically leading short circuit is ensured. By using the appropriate encoding and strain relief accessories, the measuring transducers can also be connected in a modular and plug-in fashion.

This means that these test disconnect terminal blocks are ideally suited to control and measuring technology - from the counter (smart metering) right up to the secondary technology of switchgear and power stations.

The corresponding test disconnect terminal blocks can be found in the relevant sections on the respective connection technologies.



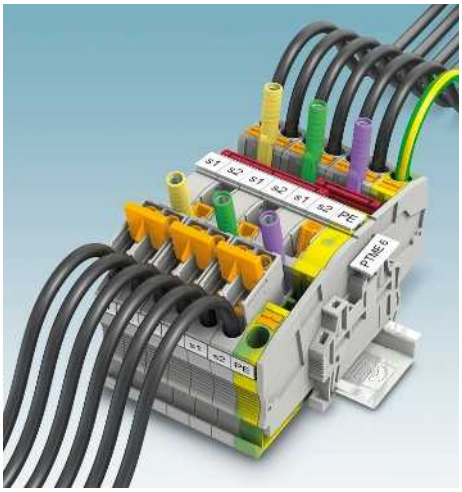
The triple function shaft on both sides of the longitudinal disconnect point enables the manual placement of bridging, testing, and switching accessories. Non-adjacent jumpers also allow the star point to be formed conveniently within the terminal strip, without the need for additional wire jumpers.



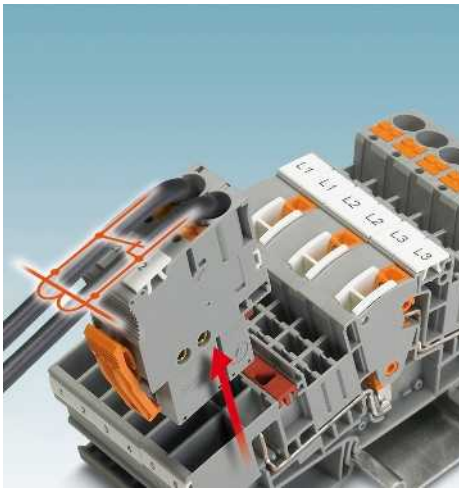
The lengthwise disconnector reliably makes contact and latches with a swiveling movement in the respective switching state. Switching symbols and optional switching locks also ensure a clear overview within the measuring transducer terminal strip.



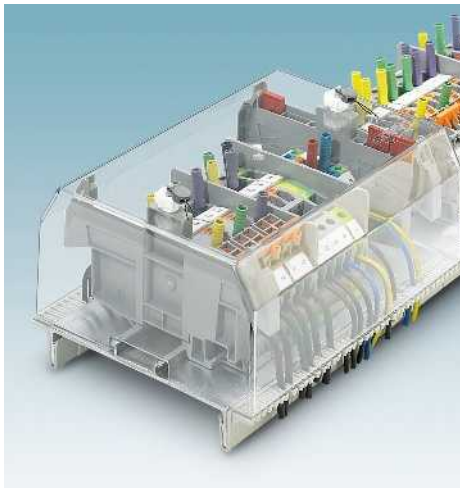
The plug-in current transformer short-circuit jumpers can be used individually, based on the switching task, in the function shafts of the terminal blocks. The switching jumper disconnect element is operated with a screwdriver, which means that the switching operation is only ever activated intentionally.



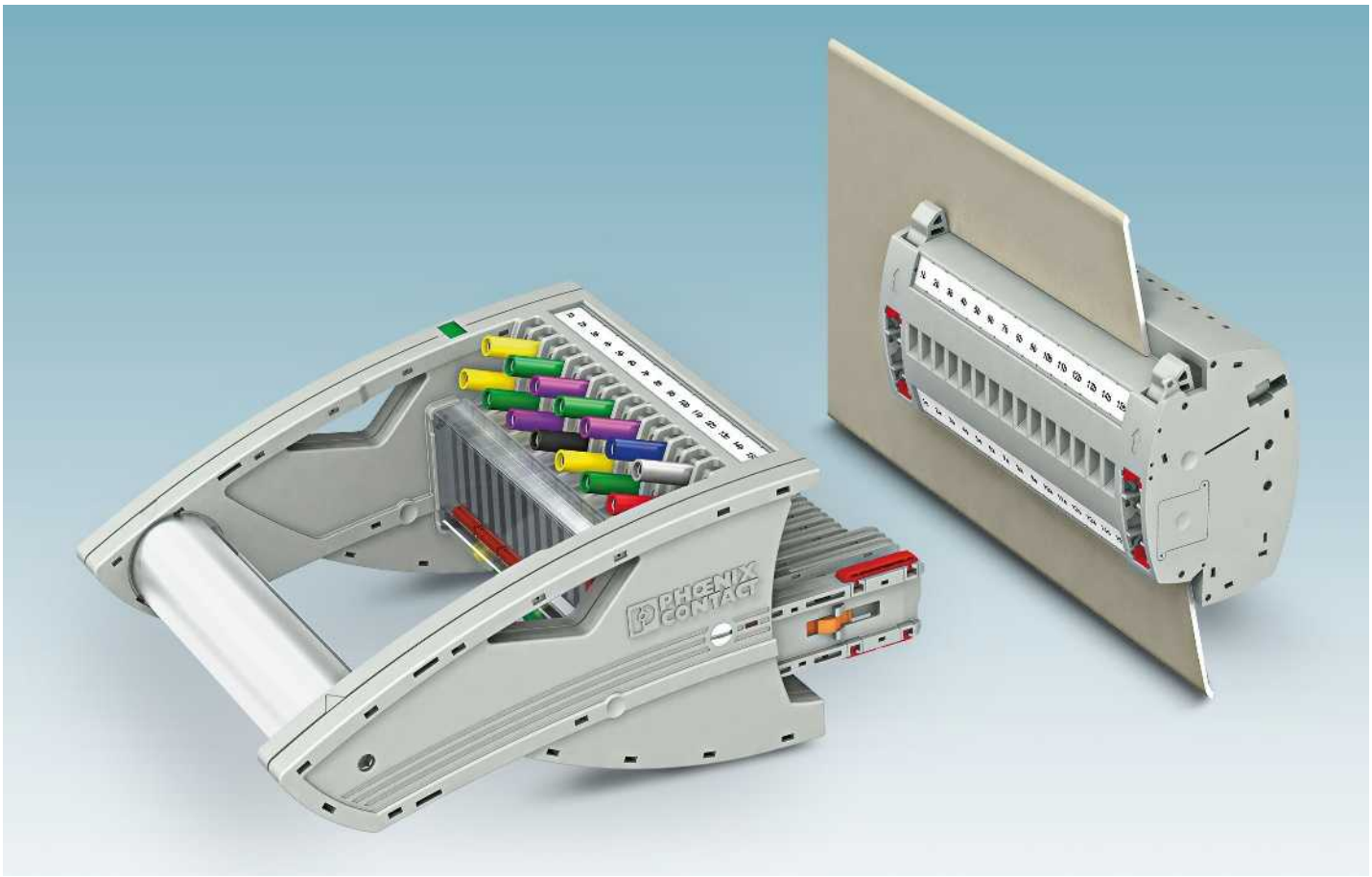
Feed-through and PE terminal blocks of the same shape are also available for the test/disconnect terminal blocks. They simplify the addition of attachments to the terminal strip and also enable convenient star point grounding within the terminal strip.



The plug-in current transformer disconnect terminal blocks and plugs also enable the safe plug-in wiring of current transformers. When the transformer plug is removed, a leading current transformer short circuit is automatically ensured. Additional encoding accessories prevent the polarity of the plug from being reversed.



Cover profiles and covering hoods are available as accessories. These can be mounted and sealed on the measuring transducer strip in a way which protects them against external influences and manipulation.

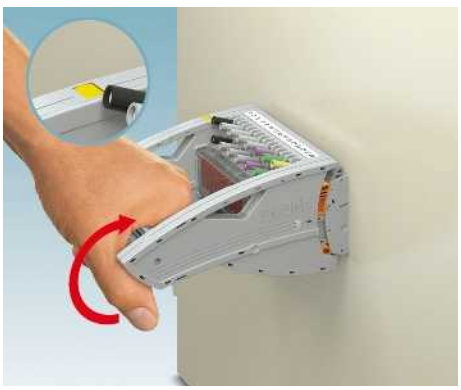


FAME is the innovative plug-in test system for all measuring and testing tasks in network protection technology for medium- and high-voltage switchgear. With the modular system, you can now perform manual testing operations automatically, safely, and more quickly. Suitable for every application, the modular system can be directly integrated into the control cabinet panel or used as a DIN rail version.

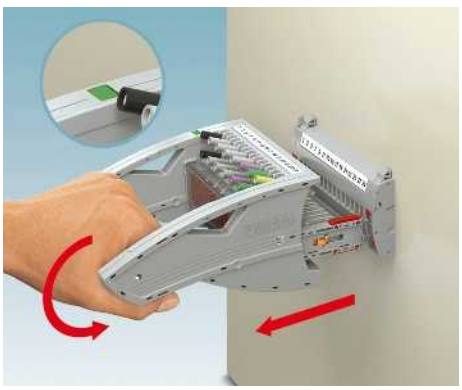
Your web code: #0131



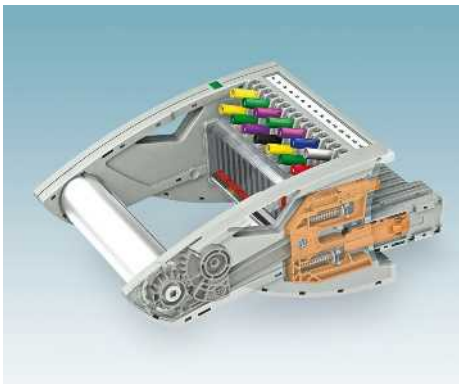
The test plug is completely inserted and engaged, the display window turns red. All test contacts are contacted according to the test setup.



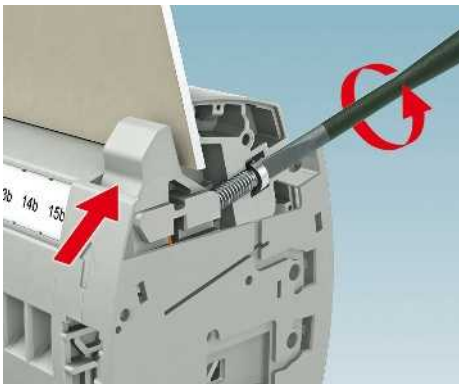
The twist grip is turned upward as far as it will go, the display window turns yellow. Test contacts with short contact tab lengths (e.g., current transformers) are once again connected to the protective device.



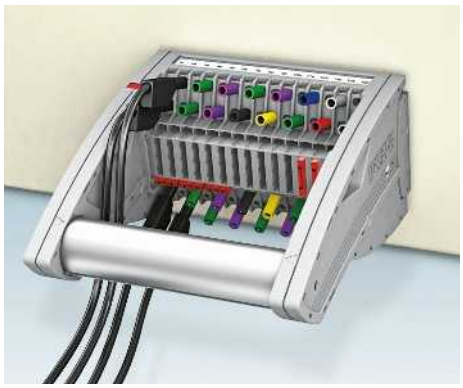
The twist grip must be turned back to its starting position. Now the mechanism releases the plug so it can be fully removed. The display window turns green.



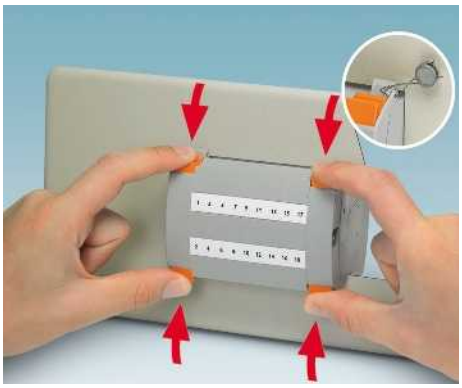
Preprogrammed short-circuit and switching operations depend on consistent insertion and removal of the test plug. Undefined contact states are effectively avoided thanks to the twist grip mechanism.



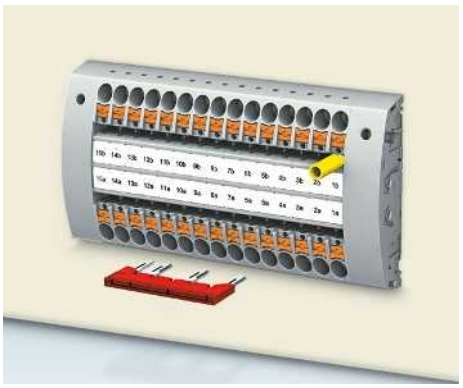
The patented wall fastening is easy to use and has a robust design. Even tolerances in the panel cutout of up to 4 mm are compensated.



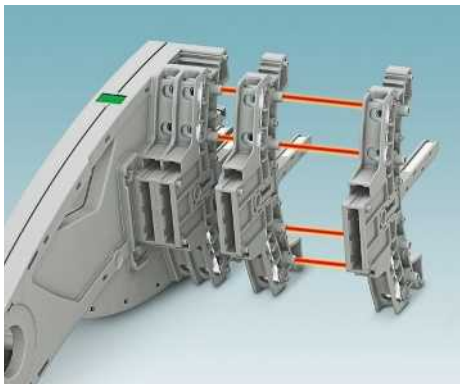
The offset test socket arrangement enables the use of CAT III and CAT IV/1000 V safety test leads according to EN 61010-031 in a confined space.



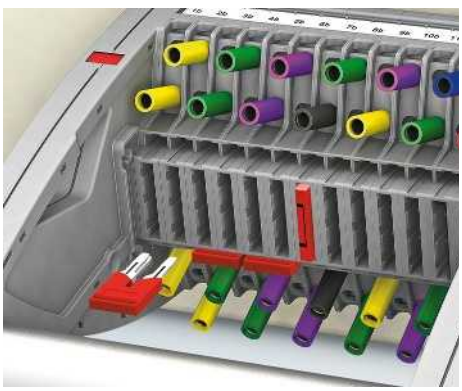
FAME test terminal strips have an IP20 design. Blind plugs without switching function can be inserted and secured with seals. These can only be released with two-hand operation.



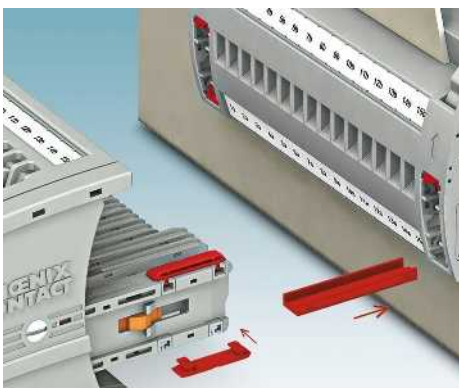
In addition to the two marking grooves, the test terminal strips for wall mounting also offer two function shafts, or six function shafts in the case of the DIN rail version, inside the control cabinet for forming and grounding the star point.



The compact and modular design of the system, as well as the plugs and test terminal strips, provides an extensive range of options for every application with positions from 4 to 25.



The test plug provides three function shafts between the 4 mm test contacts. Horizontally aligned, as leading short-circuit jumper - vertically aligned as through connection in the plug.

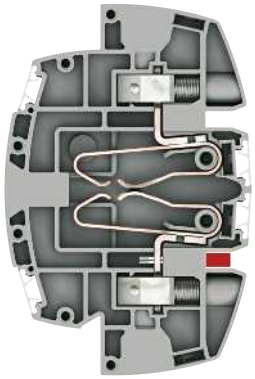


The coding profiles can be applied by the user according to their application. VDE-compliant versions are pre-coded on delivery. This ensures maximum safety.



All applications which do not involve testing through the closed door and the open rack mounting can be implemented with the DIN rail version. Terminal points and plug-in zone can be operated from one direction.

FAME 2
Modular plug-in test system without operating plug

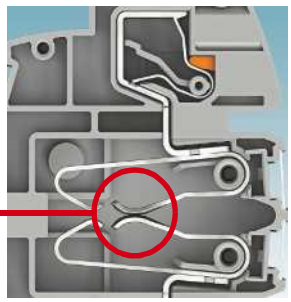


The new, modular FAME 2 measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely.
The transformer short circuits automatically when the test plug is inserted. The time-controlled signal sequence when pulling out the plug is prompted by the patented twist grip mechanism. In conjunction with the comprehensive shock protection, this provides maximum safety when measuring.

Due to the FAME 2 system's opening function, additional operating plugs are not required for normal operation.

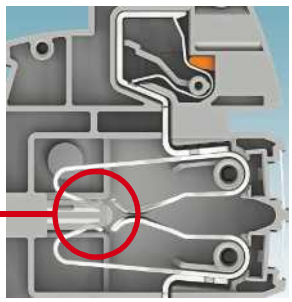
Normal operation

Closed N/O contact



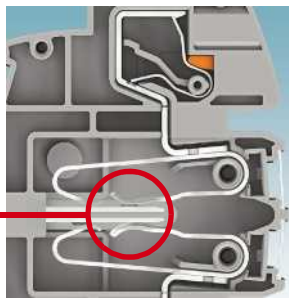
Transformer short circuit

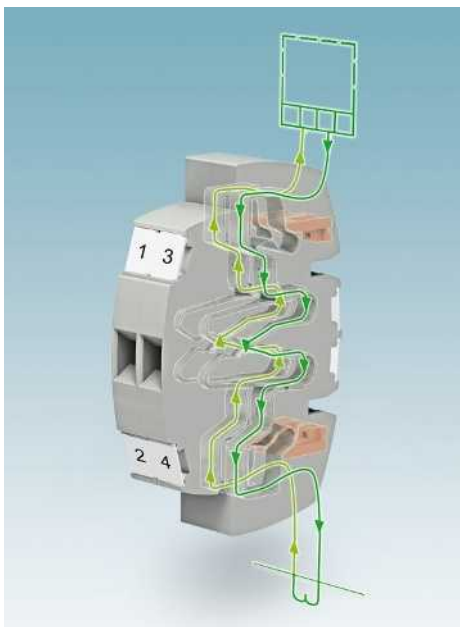
Leading short circuit by means of auxiliary contact

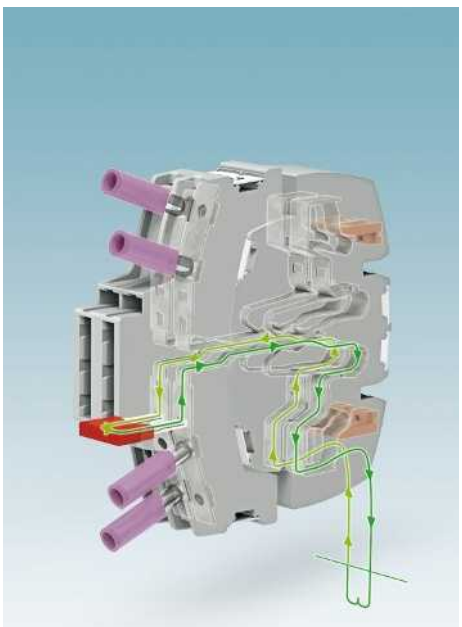


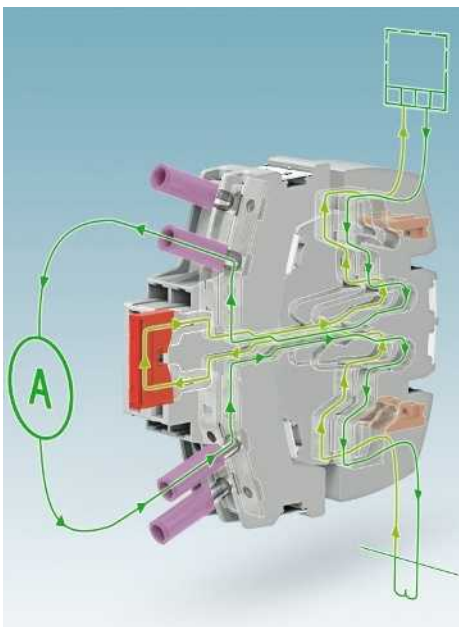
Test operation

N/O contact connected via test socket







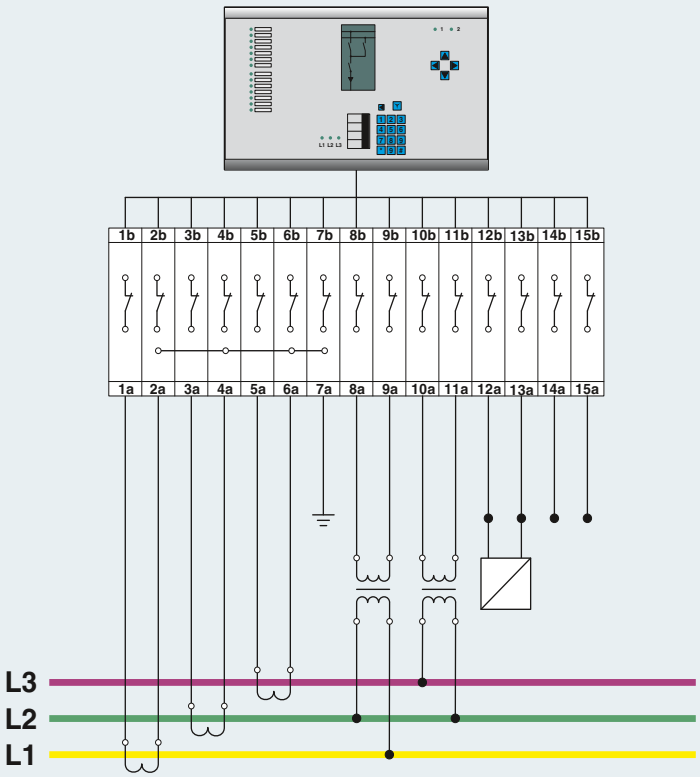


Normal operation
Additional operating plugs are not required for normal operation; the measuring transducer operates safely and reliably. Optionally, the plug-in zone can be covered with a blind plug to prevent unauthorized access.

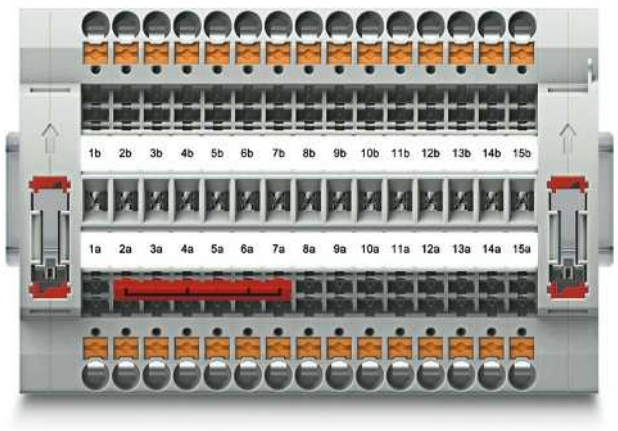
Transformer short circuit
When replacing the protective device or even in the case of a relay test, a leading short circuit of the current transformer ahead of the signal splitting can be easily carried out by means of a jumper inserted crossways.
Connected measuring transducers are safely protected against damage.

Test operation
With the jumper simply inserted lengthways in the test plug, test equipment can be easily looped into the current path via the 4 mm test sockets.

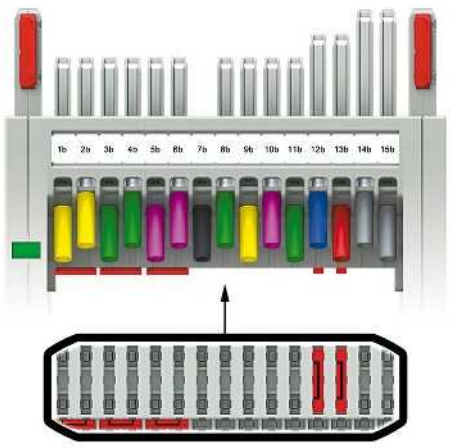
Mains protection – circuit example with star point grounding in the test terminal strip



Test terminal strip for DIN rail mounting with current transformer, voltage transducer, and signals



Test plug with current transformer, voltage transducer, and signals



Test terminal strip, blind plug

Order No.	Type	Required quantity
3069864	PTRE 6-2/15	1
3069886	FBP 2/15	1

Jumper

3032470	FBS 6-8	1

Test plug

Order No.	Type	Required quantity
3001693	FTPR 2/15	1

Jumper

3030284	FBS 2-8	3
3032363	FBS 1/3-8	2

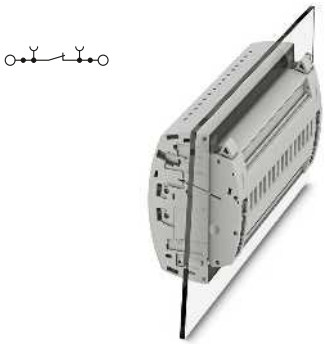
Test terminal strip, with push-in connection or screw connection



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The transformer is short-circuited and the test device is looped in automatically when inserted.

– The test terminal strips can be used universally for current and voltage transducers
– The test terminal strip can be mounted on the control cabinet door or on the DIN rail
– Signal and status messages can be wired in combination in a test terminal strip
– The correct switching sequence when removing the test plug is ensured by a locking device and a mechanical drive in the twist grip
– All test signals can be connected with touch-proof safety test leads (CAT III and CAT IV/1000 V according to EN 61010-031)
– All versions listed can be equipped with coding for the matching test plug
– Star points of the current transformer can easily be created in the test terminal strip on the rear by means of FBS jumpers
– You can find corresponding accessories from page 537

Notes:
To create panel cutouts, see phoenixcontact.net/products.
For further jumpers, see page 538.
1) Derating curve available on request.
2) Rated surge voltage: 4 kV.



6 (10) mm², 30 A, 4 ... 25-pos. test terminal strip, for wall mounting, push-in connection

Technical data

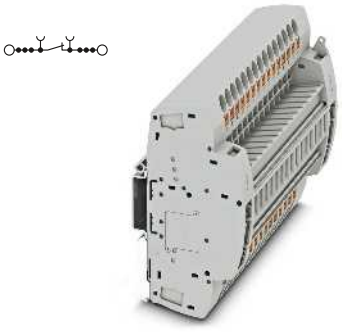
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
	30	**400 2)**	**0.5 - 10**	**20 - 8**
Rated data	IEC 60947-7-1			
	IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400 2)	300	-	-
Nominal current / cross section [A] / [mm²]	24 1) / 6	10	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	20 - 8	20 - 8	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 conductors (of the same type) [mm²]	-	-	-	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5
Plug-in connection cross sections [mm²]	1 - 10	-	1 - 6	1 - 6
General data				
Stripping length [mm]	12			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, 4-pos.	gray	**PTWE 6-2/4**	**3069827**	1
5-pos.	gray	**PTWE 6-2/5**	**3069828**	1
6-pos.	gray	**PTWE 6-2/6**	**3069829**	1
7-pos.	gray	**PTWE 6-2/7**	**3069830**	1
8-pos.	gray	**PTWE 6-2/8**	**3069831**	1
9-pos.	gray	**PTWE 6-2/9**	**3069832**	1
10-pos.	gray	**PTWE 6-2/10**	**3069833**	1
11-pos.	gray	**PTWE 6-2/11**	**3069834**	1
12-pos.	gray	**PTWE 6-2/12**	**3069835**	1
13-pos.	gray	**PTWE 6-2/13**	**3069836**	1
14 pos.	gray	**PTWE 6-2/14**	**3069837**	1
15-pos.	gray	**PTWE 6-2/15**	**3069838**	1
16-pos.	gray	**PTWE 6-2/16**	**3069839**	1
17-pos.	gray	**PTWE 6-2/17**	**3069840**	1
18-pos.	gray	**PTWE 6-2/18**	**3069841**	1
19 pos.	gray	**PTWE 6-2/19**	**3069842**	1
20 pos.	gray	**PTWE 6-2/20**	**3069843**	1
21 pos.	gray	**PTWE 6-2/21**	**3069844**	1
22 pos.	gray	**PTWE 6-2/22**	**3069845**	1
23-pos.	gray	**PTWE 6-2/23**	**3069846**	1
24-pos.	gray	**PTWE 6-2/24**	**3069847**	1
25 pos.	gray	**PTWE 6-2/25**	**3069848**	1

Accessories

Cover profile, supply length 1 m	transparent	**AP RSC-T**	**3059139**	10
Cover profile holder, can be snapped on and sealed	gray	**APH-UTWE 6-2**	**3069057**	10
Cover profile, supply length 1 m	transparent			
End bracket, for AP-ME cover profile	gray			
Holder, for AP-ME cover profile	gray			
Screwdriver		**SF-SL 0,8X4,0-100**	**1212551**	10
Lateral groove marking		**UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)**		



6 (10) mm², 30 A, 4 ... 25-pos. test terminal strip, for DIN rail mounting, push-in connection

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	-
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
-			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTRE 6-2/4	**3069849**	1
PTRE 6-2/5	**3069850**	1
PTRE 6-2/6	**3069851**	1
PTRE 6-2/7	**3069852**	1
PTRE 6-2/8	**3069853**	1
PTRE 6-2/9	**3069854**	1
PTRE 6-2/10	**3069855**	1
PTRE 6-2/11	**3069860**	1
PTRE 6-2/12	**3069861**	1
PTRE 6-2/13	**3069862**	1
PTRE 6-2/14	**3069863**	1
PTRE 6-2/15	**3069864**	1
PTRE 6-2/16	**3069865**	1
PTRE 6-2/17	**3069866**	1
PTRE 6-2/18	**3069867**	1
PTRE 6-2/19	**3069868**	1
PTRE 6-2/20	**3069869**	1
PTRE 6-2/21	**3069870**	1
PTRE 6-2/22	**3069871**	1
PTRE 6-2/23	**3069872**	1
PTRE 6-2/24	**3069873**	1
PTRE 6-2/25	**3069874**	1

Accessories

AP-ME	**METER**	**3034361**	10
APH-ME		**3034374**	10
APT-ME		**3034358**	10
SF-SL 0,8X4,0-100		**1212551**	10

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)



6 (10) mm², 30 A, 4 ... 25-pos. test terminal strip, for wall mounting, screw connection

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
12			
0.8 - 1			
1 - 4			
PA			
V0			

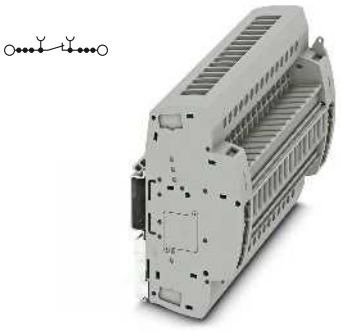
Ordering data

Type	Order No.	Pcs. / Pkt.
UTWE 6-2/4	**3069650**	1
UTWE 6-2/5	**3069651**	1
UTWE 6-2/6	**3069652**	1
UTWE 6-2/7	**3069654**	1
UTWE 6-2/8	**3069655**	1
UTWE 6-2/9	**3069656**	1
UTWE 6-2/10	**3069658**	1
UTWE 6-2/11	**3069659**	1
UTWE 6-2/12	**3069660**	1
UTWE 6-2/13	**3069662**	1
UTWE 6-2/14	**3069663**	1
UTWE 6-2/15	**3069664**	1
UTWE 6-2/16	**3069666**	1
UTWE 6-2/17	**3069667**	1
UTWE 6-2/18	**3069668**	1
UTWE 6-2/19	**3069672**	1
UTWE 6-2/20	**3069673**	1
UTWE 6-2/21	**3069800**	1
UTWE 6-2/22	**3069801**	1
UTWE 6-2/23	**3069802**	1
UTWE 6-2/24	**3069803**	1
UTWE 6-2/25	**3069804**	1

Accessories

AP RSC-T	**3059139**	10
APH-UTWE 6-2	**3069057**	10
SF-SL 0,8X4,0-100	**1212551**	10

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)



6 (10) mm², 30 A, 4 ... 25-pos. test terminal strip, for DIN rail mounting, screw connection

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
10			
-			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTRE 6-2/4	**3069805**	1
UTRE 6-2/5	**3069806**	1
UTRE 6-2/6	**3069807**	1
UTRE 6-2/7	**3069808**	1
UTRE 6-2/8	**3069809**	1
UTRE 6-2/9	**3069810**	1
UTRE 6-2/10	**3069811**	1
UTRE 6-2/11	**3069812**	1
UTRE 6-2/12	**3069813**	1
UTRE 6-2/13	**3069814**	1
UTRE 6-2/14	**3069815**	1
UTRE 6-2/15	**3069816**	1
UTRE 6-2/16	**3069817**	1
UTRE 6-2/17	**3069818**	1
UTRE 6-2/18	**3069819**	1
UTRE 6-2/19	**3069820**	1
UTRE 6-2/20	**3069821**	1
UTRE 6-2/21	**3069822**	1
UTRE 6-2/22	**3069823**	1
UTRE 6-2/23	**3069824**	1
UTRE 6-2/24	**3069825**	1
UTRE 6-2/25	**3069826**	1

Accessories

AP-ME	**METER**	**3034361**	10
APH-ME		**3034374**	10
APT-ME		**3034358**	10
SF-SL 0,8X4,0-100		**1212551**	10

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)

FTPR ... and FTP ... test plug, multi-position, freely configurable contact tabs

- The test plugs can be easily configured and ordered with just a click of the mouse in the product area on our website at phoenixcontact.net/products.
- To order via fax or e-mail, please use the ordering data as shown in the ordering example on the following page

Notes:

1) Rated surge voltage: 4 kV.



24 A, test plug with twist grip, 4 mm test sockets



24 A, test plug without twist grip, 4 mm test socket

Technical data

Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		24	**400[1])**	**0.5 - 2.5**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[1])	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	10	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 14	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	0.5 - 2.5	-	-
General data					
Tightening torque: test socket screw	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test plug	gray	**FTPR-2/4**	**3001681**	1
5-pos.	gray	**FTPR-2/5**	**3001683**	1
6-pos.	gray	**FTPR-2/6**	**3001684**	1
7-pos.	gray	**FTPR-2/7**	**3001685**	1
8-pos.	gray	**FTPR-2/8**	**3001686**	1
9-pos.	gray	**FTPR-2/9**	**3001687**	1
10-pos.	gray	**FTPR-2/10**	**3001688**	1
11-pos.	gray	**FTPR-2/11**	**3001689**	1
12-pos.	gray	**FTPR-2/12**	**3001690**	1
13-pos.	gray	**FTPR-2/13**	**3001691**	1
14 pos.	gray	**FTPR-2/14**	**3001692**	1
15-pos.	gray	**FTPR-2/15**	**3001693**	1
16-pos.	gray	**FTPR-2/16**	**3001694**	1
17-pos.	gray	**FTPR-2/17**	**3001696**	1
18-pos.	gray	**FTPR-2/18**	**3001697**	1
19 pos.	gray	**FTPR-2/19**	**3001698**	1
20 pos.	gray	**FTPR-2/20**	**3001699**	1
21 pos.	gray	**FTPR-2/21**	**3001700**	1
22 pos.	gray	**FTPR-2/22**	**3001701**	1
23-pos.	gray	**FTPR-2/23**	**3001702**	1
24-pos.	gray	**FTPR-2/24**	**3001703**	1
25 pos.	gray	**FTPR-2/25**	**3001704**	1

Accessories

Fork-type cable lug, insulated, according to UL 2.5 mm²	red	**C-FCI 1,5/M3**	**3240032**	100
	blue	**C-FCI 2,5/M3**	**3240037**	100
Ring cable lug, insulated, according to UL 2.5 mm²	red	**C-RCI 1,5/M3**	**3240016**	100
	blue	**C-RCI 2,5/M3**	**3240021**	100

Marking

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400[1])**	**0.5 - 2.5**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
400[1])	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
FTP-2/4	**3001706**	1
FTP-2/5	**3001707**	1
FTP-2/6	**3001708**	1
FTP-2/7	**3001709**	1
FTP-2/8	**3001710**	1
FTP-2/9	**3001711**	1
FTP-2/10	**3001712**	1
FTP-2/11	**3001713**	1
FTP-2/12	**3001714**	1
FTP-2/13	**3001715**	1
FTP-2/14	**3001716**	1
FTP-2/15	**3001717**	1
FTP-2/16	**3001719**	1
FTP-2/17	**3001720**	1
FTP-2/18	**3001722**	1
FTP-2/19	**3001723**	1
FTP-2/20	**3001724**	1
FTP-2/21	**3001725**	1
FTP-2/22	**3001726**	1
FTP-2/23	**3001727**	1
FTP-2/24	**3001728**	1
FTP-2/25	**3001729**	1

Accessories

C-FCI 1,5/M3	**3240032**	100
C-FCI 2,5/M3	**3240037**	100
C-RCI 1,5/M3	**3240016**	100
C-RCI 2,5/M3	**3240021**	100

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)

Ordering example: configurable test plug with twist grip function

To ensure that your order is correct, you need a defined view of how everything is counted. This is achieved when the status window in the top view is located on the left-hand side. Position 1 is then on the left.
Each position of a test plug is described by a contact tab feature that is selected. The following features are possible:

S	Short contact tab, gray
M	Medium contact tab, gray
L	Long contact tab, gray
LGN	Long contact tab, green
N	No contact tab, gray

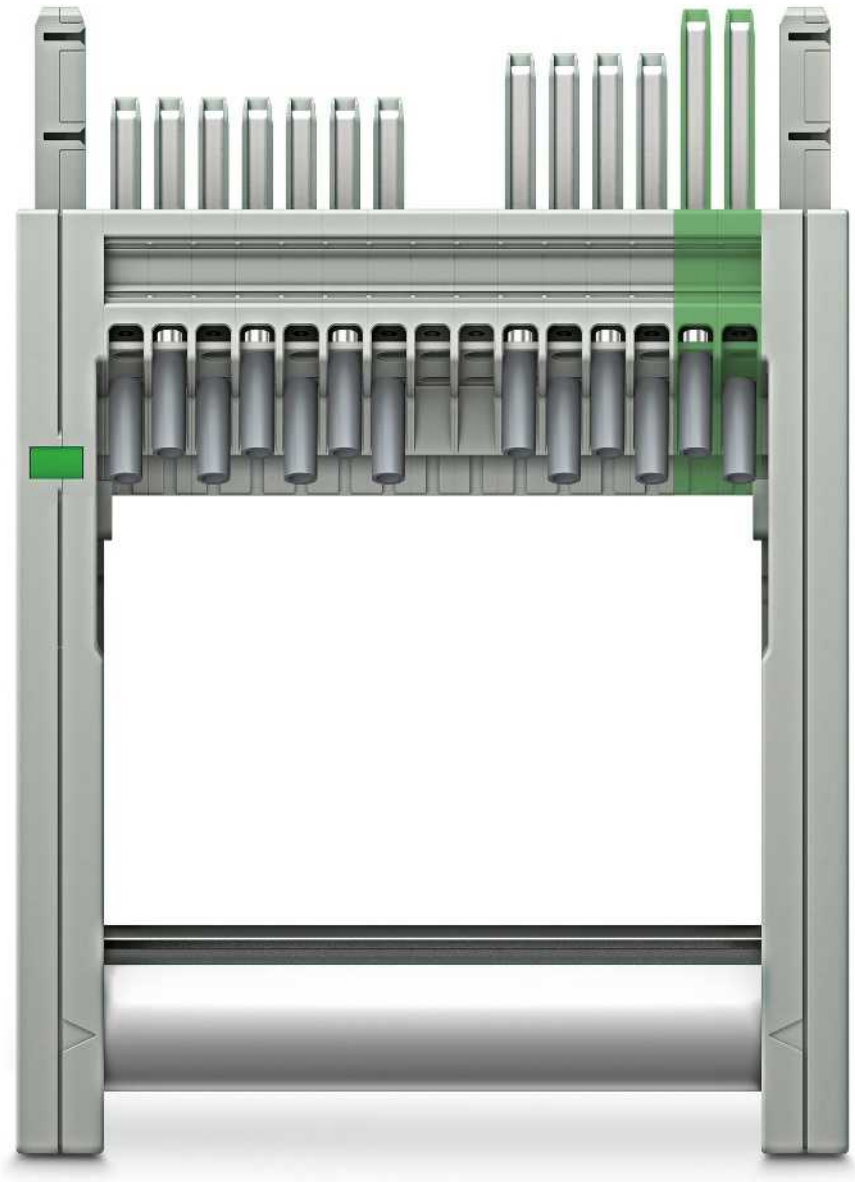
Each position with a contact tab comes fitted with two gray test sockets.

Ordering example:
A 15-pos. test plug with twist grip needs to be configured as follows:

Pos. 1 Short contact tab, gray
Pos. 2 Short contact tab, gray
Pos. 3 Short contact tab, gray
Pos. 4 Short contact tab, gray
Pos. 5 Short contact tab, gray
Pos. 6 Short contact tab, gray
Pos. 7 Short contact tab, gray
Pos. 8 No contact tab, gray
Pos. 9 No contact tab, gray
Pos. 10 Medium contact tab, gray
Pos. 11 Medium contact tab, gray
Pos. 12 Medium contact tab, gray
Pos. 13 Medium contact tab, gray
Pos. 14 Long contact tab, green
Pos. 15 Long contact tab, green

The order data for this ordering example is therefore:

Order No.	Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 5	Pos. 6	Pos. 7	Pos. 8	Pos. 9	Pos. 10	Pos. 11	Pos. 12	Pos. 13	Pos. 14	Pos. 15
3001693	S	S	S	S	S	S	S	N	N	M	M	M	M	LGN	LGN



Service test plug, FBP-2/... blind plugs

- The service test plug has a 1-pos. and 4-pos. design without side flanges
- Free positioning on the test terminal strip for special measuring tasks
- Additional assembly with bridges and test sockets
- During normal operation, the blind plug acts as a protective cover for the test terminal strip and can be sealed as an option



Service test plug



Blind plug 4 ... 25-pos.

Technical data

General data	
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data

PA	
V0	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test plug, 1-pos., with cover	red	**FTP-2/1**	**3069469**	1
4-pos.	red	**FTP-2/4 SERVICE**	**3069468**	1
Blind plug, 4-pos.	gray			
5-pos.	gray			
6-pos.	gray			
7-pos.	gray			
8-pos.	gray			
9-pos.	gray			
10-pos.	gray			
11-pos.	gray			
12-pos.	gray			
12-pos.	gray			
14 pos.	gray			
15-pos.	gray			
16-pos.	gray			
17-pos.	gray			
18-pos.	gray			
19 pos.	gray			
20 pos.	gray			
21 pos.	gray			
22 pos.	gray			
23-pos.	gray			
24-pos.	gray			
25 pos.	gray			

Ordering data

Type	Order No.	Pcs. / Pkt.
FBP-2/4	**3069875**	1
FBP-2/5	**3069876**	1
FBP-2/6	**3069877**	1
FBP-2/7	**3069878**	1
FBP-2/8	**3069879**	1
FBP-2/9	**3069880**	1
FBP-2/10	**3069881**	1
FBP-2/11	**3069882**	1
FBP-2/12	**3069883**	1
FBP-2/13	**3069884**	1
FBP-2/14	**3069885**	1
FBP-2/15	**3069886**	1
FBP-2/16	**3069887**	1
FBP-2/17	**3069888**	1
FBP-2/18	**3069889**	1
FBP-2/19	**3069890**	1
FBP-2/20	**3069891**	1
FBP-2/21	**3069892**	1
FBP-2/22	**3069893**	1
FBP-2/23	**3069894**	1
FBP-2/24	**3069895**	1
FBP-2/25	**3069896**	1

Accessories

Lateral groove marking	UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)

Accessories

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)

PC...-TRI coding profile set





- The coding profile set can be used to assign test terminal strips and test plugs according to the specific application
- Maximum safety is therefore ensured for all testing tasks

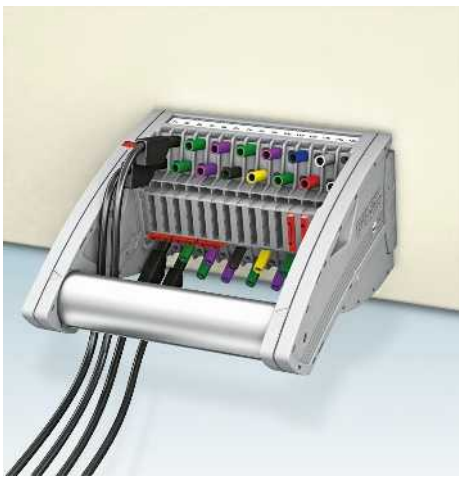
Technical data

General data	
Material	PA
Inflammability class according to UL 94	V0

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Coding profile set, for test terminal strip	red	**PC-UTWE-TRI**	**3069897**	50
Coding profile set, for FTP-2 and FTPR-2 test plugs and FBP-2 blind plugs	red	**PC-FTP-TRI**	**3069898**	50

Colored PSBJ ... test sockets



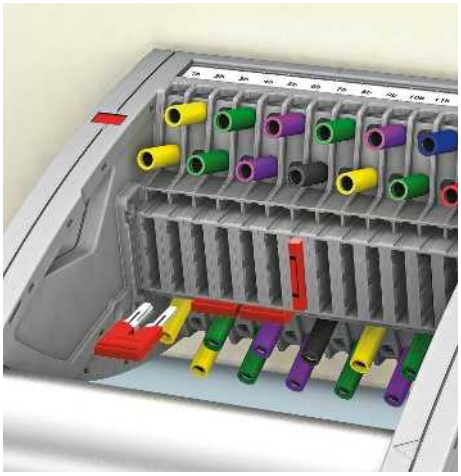


- 4 mm safety test leads with fixed insulation according to EN 61010–031 CAT III and CAT IV up to 1000 V can be coded in true color
- Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 534) can be attached with test sockets.

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test socket, insulated				
	transparent	**PSBJ-URTK 6 FARBLOS**	**3026450**	10
	red	**PSBJ-URTK 6 RD**	**3026719**	10
	blue	**PSBJ-URTK 6 BU**	**3026434**	10
	yellow	**PSBJ-URTK 6 YE**	**3026405**	10
	green	**PSBJ-URTK 6 GN**	**3026418**	10
	violet	**PSBJ-URTK 6 VT**	**3026421**	10
	black	**PSBJ-URTK 6 BK**	**3026447**	10
	gray	**PSBJ-URTK 6 GY**	**3026612**	10
	brown	**PSBJ-URTK 6 BN**	**3026971**	10

Jumper, red, 8.2 mm pitch, FBS ...





– The FBS ...-8 jumpers are used for short-circuiting, as star-point jumpers, and also to establish grounding in connection with a PE terminal block on the terminal strip

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Jumper			
2-pos.	**FBS 2-8**	**3030284**	10
3-pos.	**FBS 3-8**	**3030297**	10
4-pos.	**FBS 4-8**	**3030307**	10
5-pos.	**FBS 5-8**	**3030310**	10
6-pos.	**FBS 6-8**	**3032470**	10
10-pos.	**FBS 10-8**	**3030323**	10

Jumper with extraction tool, red, 8.2 mm pitch, FBSRH ...

– The FBSRH ...-8 bridges have a molded extraction tool which means that they can be used conveniently and without tools for individual bridging tasks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.

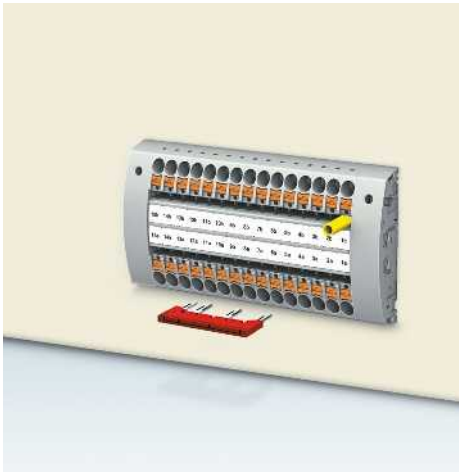


Jumper, with extraction tool

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Jumper, with extraction tool			
2-pos.	**FBSRH 2-8**	**3033802**	10
3-pos.	**FBSRH 3-8**	**3033803**	10
4-pos.	**FBSRH 4-8**	**3033804**	10

Pre-assembled bridge, red, 8.2 mm pitch



– Plug-in star-point jumpers or jumpers for bridging several positions can be supplied pre-configured without additional expense
– The bridges are printed and provide unique identification for bridging between non-adjacent terminal blocks

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.



Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Pre-assembled bridge, marked			
3-pos., positions 1, 3	**FBS 1/3-8**	**3032363**	10
4-pos., positions 1, 4	**FBS 1/4-8**	**3032376**	10
5-pos., positions 1, 3, 5	**FBS 1/3/5-8**	**3032389**	10
10-pos., positions 1, 4, 7, 10	**FBS 1/4/7/10-8**	**3032402**	10

Cover profiles for test plug or test terminal strip mounted on DIN rail



– The AP–FTP cover profile prevents undesired changes to the star point, feed-through, and short-circuit jumpers on the completely assembled test plug
– To mount, gently release the side screw connection of the plug and snap the profile into place
– The APH–ME end bracket is used in conjunction with the AP–ME cover for the DIN rail mounted test terminal strip



Technical data

General data	
Material	PVC

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cover profile, supply length 1 m	transparent	**AP-FTP METER**	**3069899**	1
Cover profile, supply length 1 m	transparent	**AP-ME METER**	**3034361**	10
Cover profile, supply length 1 m	transparent	**AP RSC-T**	**3059139**	10
End bracket, for AP-ME cover profile	gray	**APH-ME**	**3034374**	10
Cover profile holder, can be snapped on and sealed	gray	**APH-UTWE 6-2**	**3069057**	10

Test terminal strip, with push-in connection, wall or DIN rail mounting

The VDE B7 version is suitable as a plug-in test system in digital differential protection as an addition to the F19 plug-in test system, see page 546.

The **VDE A7** version is suitable as a plug-in test system in single-system current, voltage, and power relays, wattmetric and ground fault wiper relays, detuning level controllers or reverse power protection for generators.

The **VDE E7** version is suitable as a plug-in test system for single-stage automatic frequency discharge and as rotor ground fault protection.

– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type A7

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
30	**400 2)**	**0.5 - 10**	**20 - 8**	
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400 2)	300	-	-
Nominal current / cross section [A] / [mm²]	24 1) / 6	10	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	20 - 8	20 - 8	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5
Plug-in connection cross sections [mm²]	1 - 10	-	1 - 6	1 - 6
General data				
Stripping length [mm]	12			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**PTWE 6-2/A7**	**3069436**	1
Test terminal strip, DIN rail mounting	gray	**PTRE 6-2/A7**	**3069449**	1
Test plug, with twist grip, **A7** coding	gray			
B7 coding	gray			
E7 coding	gray			
Test plug, with standard grip, **A7** coding	gray			
B7 coding	gray			
E7 coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **A7** coding	gray			
B7 coding	gray			
E7 coding	gray			

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

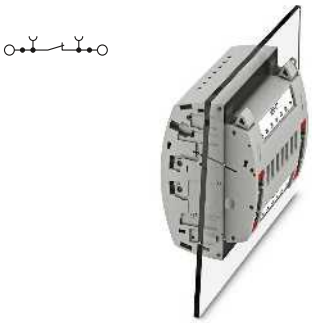
– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option



Blind plug, 7-pos., VDE coded



6 (10) mm², 30 A, test terminal strip, VDE coded type B7



6 (10) mm², 30 A, test terminal strip, VDE coded type E7



24 A, test plug, bridge assignment according to circuit diagram, VDE coded

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400[2])**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	-	-
24[1]) / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTWE 6-2/B7	**3069437**	1
PTRE 6-2/B7	**3069450**	1

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400[2])**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	-	-
24[1]) / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

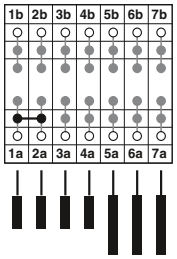
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/E7	**3069438**	1
PTRE 6-2/E7	**3069451**	1

Technical data

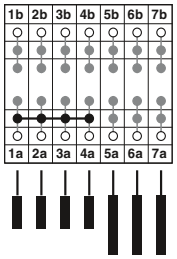
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400[2])**	**0.5 - 2.5**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

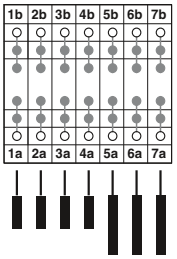
Type	Order No.	Pcs. / Pkt.
FTPR-2/A7	**3069484**	1
FTPR-2/B7	**3069485**	1
FTPR-2/E7	**3069486**	1
FTP-2/A7	**3069470**	1
FTP-2/B7	**3069471**	1
FTP-2/E7	**3069472**	1
FTP-2/1	**3069469**	1
FBP-2/A7	**3069497**	1
FBP-2/B7	**3069498**	1
FBP-2/E7	**3069499**	1



Test plug type A7



Test plug type B7



Test plug type E7

Test terminal strip, with push-in connection, wall or DIN rail mounting

The **VDE A14** version is suitable as a plug-in test system for three-stage automatic frequency discharge, as zero-power comparison protection, and as stator and rotor ground fault protection.

The **VDE B14** version is suitable as a plug-in test system in overcurrent directional protection, distance protection for high and medium voltage, as well as voltage regulation.

The **VDE C14** version is suitable as a plug-in test system in overcurrent time protection, unbalanced load protection, and stator ground fault protection for busbar operation.

– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type A14

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
30	**400 2)**	**0.5 - 10**	**20 - 8**	
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400 2)	300	-	-
Nominal current / cross section [A] / [mm²]	24 1) / 6	10	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	20 - 8	20 - 8	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5
Plug-in connection cross sections [mm²]	1 - 10	-	1 - 6	1 - 6
General data				
Stripping length [mm]	12			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**PTWE 6-2/A14**	**3069439**	1
Test terminal strip, DIN rail mounting	gray	**PTRE 6-2/A14**	**3069452**	1
Test plug, with twist grip, **A14** coding	gray			
B14 coding	gray			
C14 coding	gray			
Test plug, with standard grip, **A14** coding	gray			
B14 coding	gray			
C14 coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **A14** coding	gray			
B14 coding	gray			
C14 coding	gray			



Blind plug, 14-pos., VDE coded



6 (10) mm², 30 A, test terminal strip, VDE coded type B14



6 (10) mm², 30 A, test terminal strip, VDE coded type C14



24 A, test plug, bridge assignment according to circuit diagram, VDE coded

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400[2])**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	-	-
24[1]) / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTWE 6-2/B14	**3069440**	1
PTRE 6-2/B14	**3069453**	1

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400[2])**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	-	-
24[1]) / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

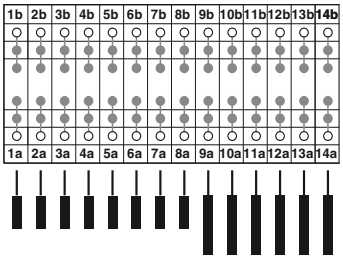
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/C14	**3069441**	1
PTRE 6-2/C14	**3069454**	1

Technical data

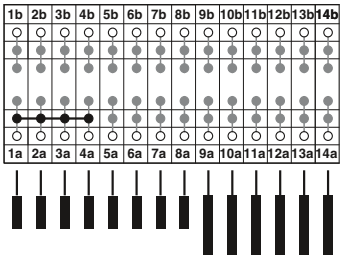
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400[2])**	**0.5 - 2.5**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

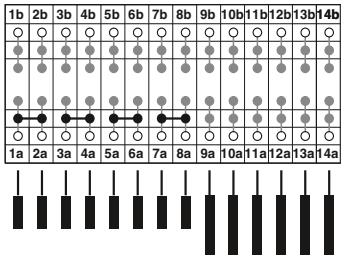
Type	Order No.	Pcs. / Pkt.
FTPR-2/A14	**3069487**	1
FTPR-2/B14	**3069488**	1
FTPR-2/C14	**3069489**	1
FTP-2/A14	**3069474**	1
FTP-2/B14	**3069475**	1
FTP-2/C14	**3069476**	1
FTP-2/1	**3069469**	1
FBP-2/A14	**3069500**	1
FBP-2/B14	**3069501**	1
FBP-2/C14	**3069502**	1



Test plug type A14



Test plug type B14



Test plug type C14

Test terminal strip, with push-in connection, wall or DIN rail mounting

The **VDE B19** version is suitable as a plug-in test system in distance protection for high voltage.

The **VDE C19** version is suitable as a plug-in test system in distance protection as system busbar protection, overcurrent directional protection, and current comparison protection for cables.

The **VDE D19** version is suitable as a plug-in test system for electromechanical differential protection for transformers.

– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type B19

Technical data

Max. electrical data					
		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
		30	**400²)**	**0.5 - 10**	**20 - 8**
Rated data		IEC 60947-7-1			
		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400²)	300	-	-
Nominal current / cross section	[A] / [mm²]	24¹) / 6	10	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 8	20 - 8	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Plug-in connection cross sections	[mm²]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	12			
Tightening torque for wall fastening	[Nm]	0.8 - 1			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option

Ordering data

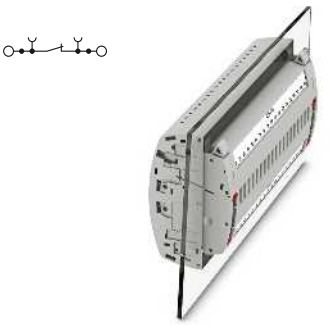
Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**PTWE 6-2/B19**	**3069442**	1
Test terminal strip, DIN rail mounting	gray	**PTRE 6-2/B19**	**3069455**	1
Test plug, with twist grip, **B19** coding	gray			
C19 coding	gray			
D19 coding	gray			
Test plug, with standard grip, **B19** coding	gray			
C19 coding	gray			
D19 coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **B19** coding	gray			
C19 coding	gray			
D19 coding	gray			



Blind plug, 19-pos., VDE coded



6 (10) mm², 30 A, test terminal strip, VDE coded type C19



6 (10) mm², 30 A, test terminal strip, VDE coded type D19



24 A, test plug, bridge assignment according to circuit diagram, VDE coded

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTWE 6-2/C19	**3069443**	1
PTRE 6-2/C19	**3069456**	1

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

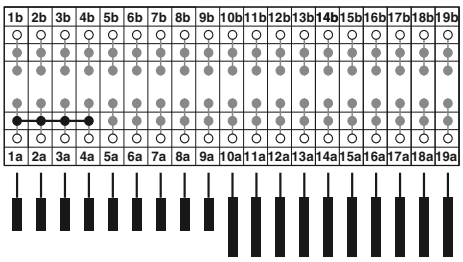
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/D19	**3069444**	1
PTRE 6-2/D19	**3069457**	1

Technical data

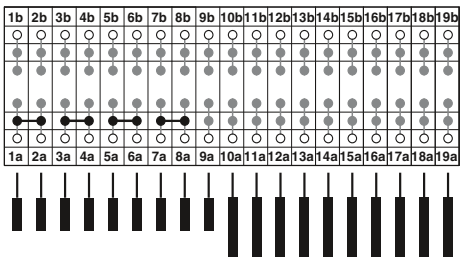
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400²)**	**0.5 - 2.5**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

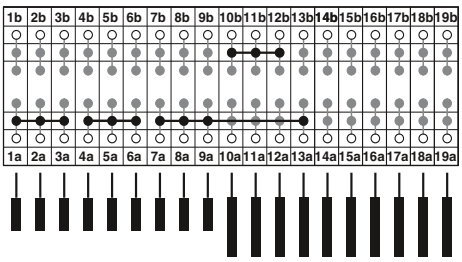
Type	Order No.	Pcs. / Pkt.
FTPR-2/B19	**3069490**	1
FTPR-2/C19	**3069491**	1
FTPR-2/D19	**3069492**	1
FTP-2/B19	**3069477**	1
FTP-2/C19	**3069478**	1
FTP-2/D19	**3069479**	1
FTP-2/1	**3069469**	1
FBP-2/B19	**3069503**	1
FBP-2/C19	**3069504**	1
FBP-2/D19	**3069671**	1



Test plug type B19



Test plug type C19



Test plug type D19

Test terminal strip, with push-in connection, wall or DIN rail mounting

The **VDE F19** version is suitable as a plug-in test system in electromechanical differential protection for transformers, generators, motors, and cables.

The **VDE G19** version is suitable as a plug-in test system in digital differential protection for transformers.

The **VDE H19** version is suitable as a plug-in test system in overcurrent directional protection and distance protection as system protection.

– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type F19

Technical data

Max. electrical data					
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)		
30	**400 2)**	**0.5 - 10**	**20 - 8**		
Rated data	IEC 60947-7-1				
	IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage	[V]	400 2)	300	-	-
Nominal current / cross section	[A] / [mm²]	24 1) / 6	10	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 8	20 - 8	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Plug-in connection cross sections	[mm²]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	12			
Tightening torque for wall fastening	[Nm]	0.8 - 1			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**PTWE 6-2/F19**	**3069445**	1
Test terminal strip, DIN rail mounting	gray	**PTRE 6-2/F19**	**3069458**	1
Test plug, with twist grip, **F19** coding	gray			
G19 coding	gray			
H19 coding	gray			
Test plug, with standard grip, **F19** coding	gray			
G19 coding	gray			
H19 coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **F19** coding	gray			
G19 coding	gray			
H19 coding	gray			

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option



Blind plug, 19-pos., VDE coded



6 (10) mm², 30 A, test terminal strip, VDE coded type G19



6 (10) mm², 30 A, test terminal strip, VDE coded type H19



24 A, test plug, bridge assignment according to circuit diagram, VDE coded

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTWE 6-2/G19	**3069446**	1
PTRE 6-2/G19	**3069459**	1

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

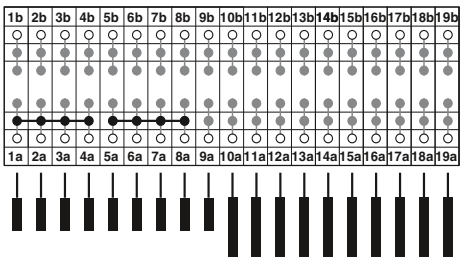
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/H19	**3069447**	1
PTRE 6-2/H19	**3069460**	1

Technical data

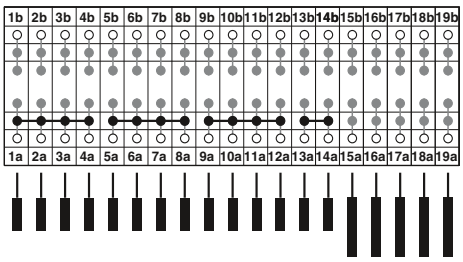
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400²)**	**0.5 - 2.5**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

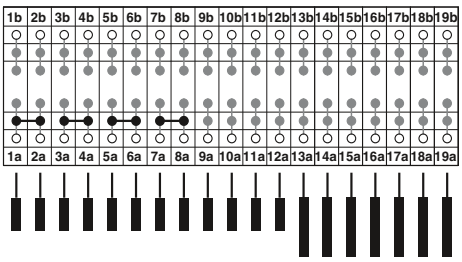
Type	Order No.	Pcs. / Pkt.
FTPR-2/F19	**3069493**	1
FTPR-2/G19	**3069494**	1
FTPR-2/H19	**3069495**	1
FTP-2/F19	**3069480**	1
FTP-2/G19	**3069481**	1
FTP-2/H19	**3069482**	1
FTP-2/1	**3069469**	1
FBP-2/F19	**3069675**	1
FBP-2/G19	**3069676**	1
FBP-2/H19	**3069677**	1



Test plug type F19



Test plug type G19



Test plug type H19

Test terminal strip, with push-in connection, wall or DIN rail mounting

The **VDE I19** version is suitable as a plug-in test system in medium-voltage, outlet, and coupling protection, including selective ground fault detection.

– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type I19

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
30	**400 2)**	**0.5 - 10**	**20 - 8**	
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400 2)	300	-	-
Nominal current / cross section	[A] / [mm²]	24 1) / 6	10	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 8	20 - 8	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Plug-in connection cross sections	[mm²]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	12			
Tightening torque for wall fastening	[Nm]	0.8 - 1			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**PTWE 6-2/I19**	**3069448**	1
Test terminal strip, DIN rail mounting	gray	**PTRE 6-2/I19**	**3069461**	1
Test plug, with twist grip, **I19** coding	gray			
Test plug, with standard grip, **I19** coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **I19** coding	gray			



24 A, test plug, bridge assignment according to circuit diagram, VDE coded type I19



Blind plug, VDE coded type I19

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400²)**	**0.5 - 2.5**	**-**

IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-

-
-
-
0.5 - 0.6
PA
V0

Technical data

		Max. Ø [mm²]	AWG (UL)
		-	**-**

IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-

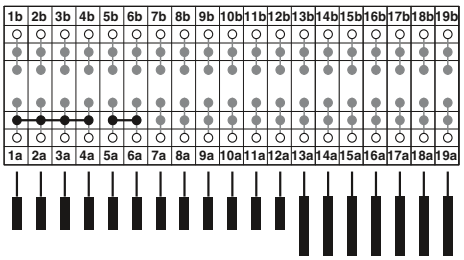
-
-
-
-
PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
FTPR-2/I19	**3069496**	1
FTP-2/I19	**3069483**	1
FTP-2/1	**3069469**	1

Ordering data

Type	Order No.	Pcs. / Pkt.
FBP-2/I19	**3069678**	1



Test plug type I19

Test terminal strip, with screw connection, wall or DIN rail mounting

The VDE B7 version is suitable as a plug-in test system in digital differential protection as an addition to the F19 plug-in test system, see page 546.

The **VDE A7** version is suitable as a plug-in test system in single-system current, voltage, and power relays, wattmetric and ground fault wiper relays, detuning level controllers or reverse power protection for generators.

The **VDE E7** version is suitable as a plug-in test system for single-stage automatic frequency discharge and as rotor ground fault protection.

– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type A7

Technical data

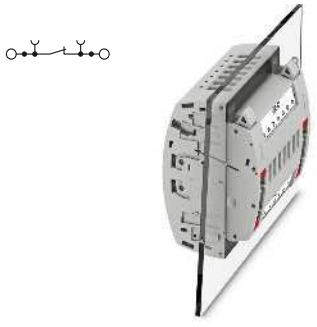
Max. electrical data					
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)		
30	**400 2)**	**0.2 - 10**	**-**		
Rated data		IEC 60947-7-1			
		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400 2)	-	-	-
Nominal current / cross section	[A] / [mm²]	24 1) / 6	-	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	-	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	12			
Tightening torque for wall fastening	[Nm]	0.8 - 1			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**UTWE 6-2/A7**	**3069410**	1
Test terminal strip, DIN rail mounting	gray	**UTRE 6-2/A7**	**3069423**	1
Test plug, with twist grip, **A7** coding	gray			
B7 coding	gray			
E7 coding	gray			
Test plug, with standard grip, **A7** coding	gray			
B7 coding	gray			
E7 coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **A14** coding	gray			
B14 coding	gray			
C14 coding	gray			



Blind plug, 7-pos., VDE coded



6 (10) mm², 30 A, test terminal strip, VDE coded type B7



6 (10) mm², 30 A, test terminal strip, VDE coded type E7



24 A, test plug, bridge assignment according to circuit diagram, VDE coded

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400[2])**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	-	-
24[1]) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTWE 6-2/B7	**3069411**	1
UTRE 6-2/B7	**3069424**	1

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400[2])**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	-	-
24[1]) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

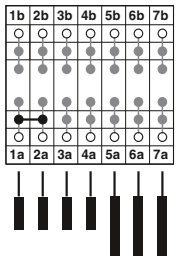
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/E7	**3069412**	1
UTRE 6-2/E7	**3069425**	1

Technical data

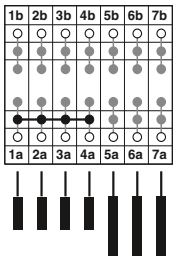
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400[2])**	**0.5 - 2.5**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
400[2])	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

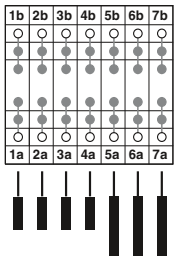
Type	Order No.	Pcs. / Pkt.
FTPR-2/A7	**3069484**	1
FTPR-2/B7	**3069485**	1
FTPR-2/E7	**3069486**	1
FTP-2/A7	**3069470**	1
FTP-2/B7	**3069471**	1
FTP-2/E7	**3069472**	1
FTP-2/1	**3069469**	1
FBP-2/A14	**3069500**	1
FBP-2/B14	**3069501**	1
FBP-2/C14	**3069502**	1



Test plug type A7



Test plug type B7



Test plug type E7

Test terminal strip, with screw connection

The **VDE A14** version is suitable as a plug-in test system for three-stage automatic frequency discharge, as zero-power comparison protection, and as stator and rotor ground fault protection.

The **VDE B14** version is suitable as a plug-in test system in overcurrent directional protection, distance protection for high and medium voltage, as well as voltage regulation.

The **VDE C14** version is suitable as a plug-in test system in overcurrent time protection, unbalanced load protection, and stator ground fault protection for busbar operation.

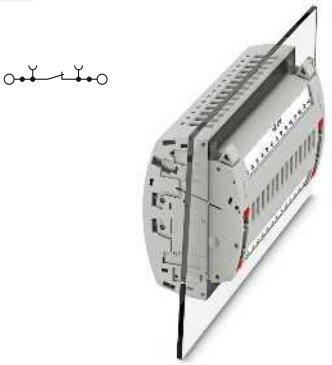
– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type A14

Technical data

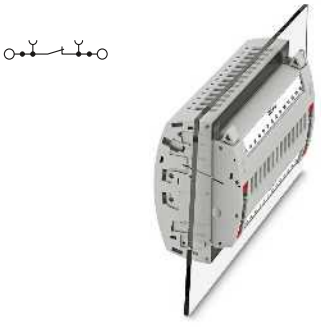
Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
30	**400²)**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400²)	300	-	-
Nominal current / cross section	[A] / [mm²]	24¹) / 6	10	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	24 - 8	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data				
Stripping length	[mm]	12			
Tightening torque for wall fastening	[Nm]	0.8 - 1			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**UTWE 6-2/A14**	**3069413**	1
Test terminal strip, DIN rail mounting	gray	**UTRE 6-2/A14**	**3069426**	1
Test plug, with twist grip, **A14** coding	gray			
B14 coding	gray			
C14 coding	gray			
Test plug, with standard grip, **A14** coding	gray			
B14 coding	gray			
C14 coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **A14** coding	gray			
B14 coding	gray			
C14 coding	gray			



Blind plug, 14-pos., VDE coded



6 (10) mm², 30 A, test terminal strip, VDE coded type B14



6 (10) mm², 30 A, test terminal strip, VDE coded type C14



24 A, test plug, bridge assignment according to circuit diagram, VDE coded

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTWE 6-2/B14	**3069414**	1
UTRE 6-2/B14	**3069427**	1

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

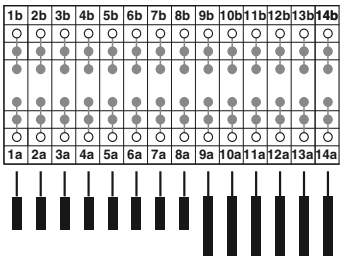
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/C14	**3069415**	1
UTRE 6-2/C14	**3069428**	1

Technical data

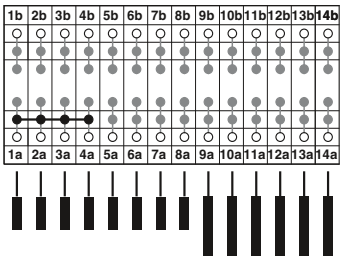
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400²)**	**0.5 - 2.5**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

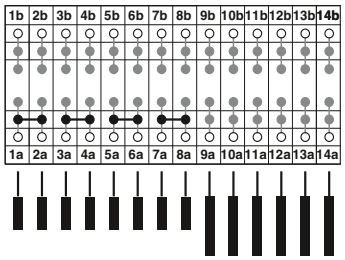
Type	Order No.	Pcs. / Pkt.
FTPR-2/A14	**3069487**	1
FTPR-2/B14	**3069488**	1
FTPR-2/C14	**3069489**	1
FTP-2/A14	**3069474**	1
FTP-2/B14	**3069475**	1
FTP-2/C14	**3069476**	1
FTP-2/1	**3069469**	1
FBP-2/A14	**3069500**	1
FBP-2/B14	**3069501**	1
FBP-2/C14	**3069502**	1



Test plug type A14



Test plug type B14



Test plug type C14

Test terminal strip, with screw connection

The **VDE B19** version is suitable as a plug-in test system in distance protection for high voltage.

The **VDE C19** version is suitable as a plug-in test system in distance protection as system busbar protection, overcurrent directional protection, and current comparison protection for cables.

The **VDE D19** version is suitable as a plug-in test system for electromechanical differential protection for transformers.

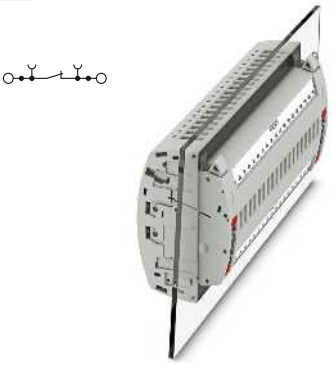
– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type B19

Technical data

Max. electrical data					
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)		
30	**400 2)**	**0.2 - 10**	**24 - 8**		
Rated data	IEC 60947-7-1				
	IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage	[V]	400 2)	300	-	-
Nominal current / cross section	[A] / [mm²]	24 1) / 6	10	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	24 - 8	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	12			
Tightening torque for wall fastening	[Nm]	0.8 - 1			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

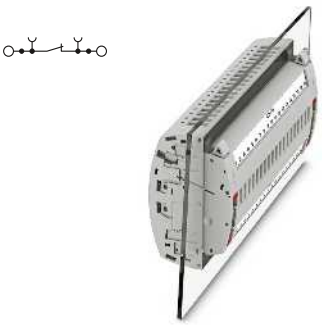
Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**UTWE 6-2/B19**	**3069416**	1
Test terminal strip, DIN rail mounting	gray	**UTRE 6-2/B19**	**3069429**	1
Test plug, with twist grip, **B19** coding	gray			
C19 coding	gray			
D19 coding	gray			
Test plug, with standard grip, **B19** coding	gray			
C19 coding	gray			
D19 coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **B19** coding	gray			
C19 coding	gray			
D19 coding	gray			



Blind plug, 19-pos., VDE coded



6 (10) mm², 30 A, test terminal strip, VDE coded type C19



6 (10) mm², 30 A, test terminal strip, VDE coded type D19



24 A, test plug, bridge assignment according to circuit diagram, VDE coded

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTWE 6-2/C19	**3069417**	1
UTRE 6-2/C19	**3069430**	1

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

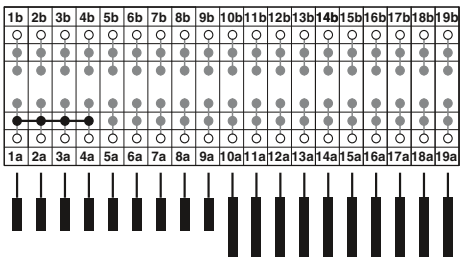
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/D19	**3069418**	1
UTRE 6-2/D19	**3069431**	1

Technical data

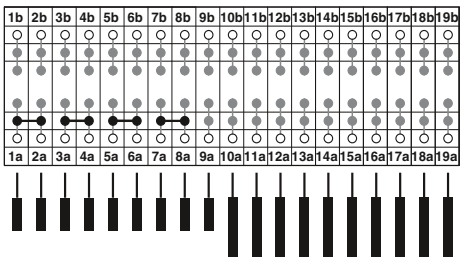
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400²)**	**0.5 - 2.5**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

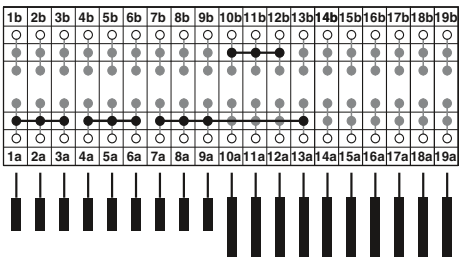
Type	Order No.	Pcs. / Pkt.
FTPR-2/B19	**3069490**	1
FTPR-2/C19	**3069491**	1
FTPR-2/D19	**3069492**	1
FTP-2/B19	**3069477**	1
FTP-2/C19	**3069478**	1
FTP-2/D19	**3069479**	1
FTP-2/1	**3069469**	1
FBP-2/B19	**3069503**	1
FBP-2/C19	**3069504**	1
FBP-2/D19	**3069671**	1



Test plug type B19



Test plug type C19



Test plug type D19

Test terminal strip, with screw connection

The **VDE F19** version is suitable as a plug-in test system in electromechanical differential protection for transformers, generators, motors, and cables.

The **VDE G19** version is suitable as a plug-in test system in digital differential protection for transformers.

The **VDE H19** version is suitable as a plug-in test system in overcurrent directional protection and distance protection as system protection.

– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type F19

Technical data

Max. electrical data					
$I_{max.}$ [A]		$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
30		**400²)**	**0.2 - 10**	**24 - 8**	
Rated data		IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400²)	300	-	-
Nominal current / cross section	[A] / [mm²]	24¹) / 6	10	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	24 - 8	-	-
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	12			
Tightening torque for wall fastening	[Nm]	0.8 - 1			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**UTWE 6-2/F19**	**3069419**	1
Test terminal strip, DIN rail mounting	gray	**UTRE 6-2/F19**	**3069432**	1
Test plug, with twist grip, **F19** coding	gray			
G19 coding	gray			
H19 coding	gray			
Test plug, with standard grip, **F19** coding	gray			
G19 coding	gray			
H19 coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **F19** coding	gray			
G19 coding	gray			
H19 coding	gray			

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option



Blind plug, 19-pos., VDE coded



6 (10) mm², 30 A, test terminal strip, VDE coded type G19



6 (10) mm², 30 A, test terminal strip, VDE coded type H19



24 A, test plug, bridge assignment according to circuit diagram, VDE coded

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTWE 6-2/G19	**3069420**	1
UTRE 6-2/G19	**3069433**	1

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24¹) / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Ordering data

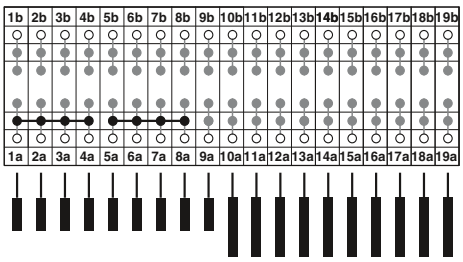
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/H19	**3069421**	1
UTRE 6-2/H19	**3069434**	1

Technical data

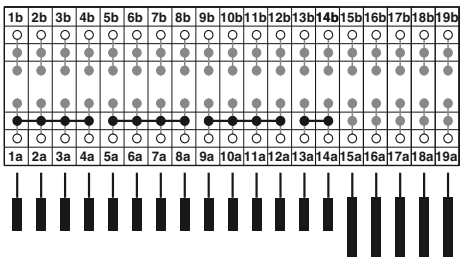
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400²)**	**0.5 - 2.5**	**-**
IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

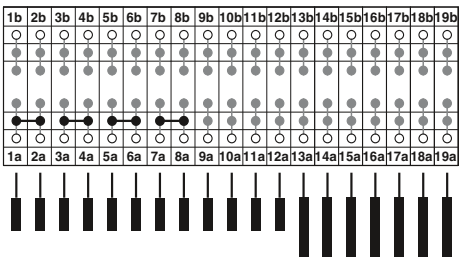
Type	Order No.	Pcs. / Pkt.
FTPR-2/F19	**3069493**	1
FTPR-2/G19	**3069494**	1
FTPR-2/H19	**3069495**	1
FTP-2/F19	**3069480**	1
FTP-2/G19	**3069481**	1
FTP-2/H19	**3069482**	1
FTP-2/1	**3069469**	1
FBP-2/F19	**3069675**	1
FBP-2/G19	**3069676**	1
FBP-2/H19	**3069677**	1



Test plug type F19



Test plug type G19



Test plug type H19

Test terminal strip, with screw connection

The **VDE I19** version is suitable as a plug-in test system in medium-voltage, outlet, and coupling protection, including selective ground fault detection.

– The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
– A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
– All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
– The components are supplied pre-marked according to the VDE Directive
– Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
– The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

– Secure, sealable latching on the test terminal strip
– Can only be removed by means of two-hand operation
– Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm², 30 A, test terminal strip, VDE coded type I19

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
30	**400 2)**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1 IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400 2)	300	-	-
Nominal current / cross section [A] / [mm²]	24 1) / 6	10	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	24 - 8	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5
General data				
Stripping length [mm]	12			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test terminal strip, wall mounting	gray	**UTWE 6-2/I19**	**3069422**	1
Test terminal strip, DIN rail mounting	gray	**UTRE 6-2/I19**	**3069435**	1
Test plug, with twist grip, **I19** coding	gray			
Test plug, with standard grip, **I19** coding	gray			
Test plug, 1-pos., with cover	red			
Blind plug, sealable, **I19** coding	gray			



24 A, test plug, bridge assignment according to circuit diagram, VDE coded type I19



Blind plug, VDE coded type I19

cULus

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400²)**	**0.5 - 2.5**	**-**

IEC	UL	CSA	IEC/ EN 60079-7
400²)	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-

-
-
-
0.5 - 0.6
PA
V0

Technical data

		Max. Ø [mm²]	AWG (UL)
		-	**-**

IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-

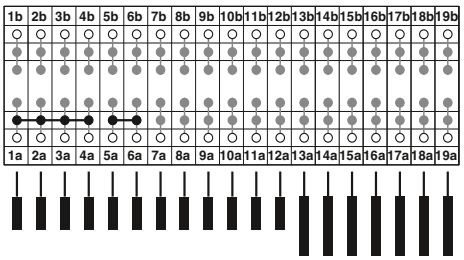
-
-
-
-
PA
V0

Ordering data

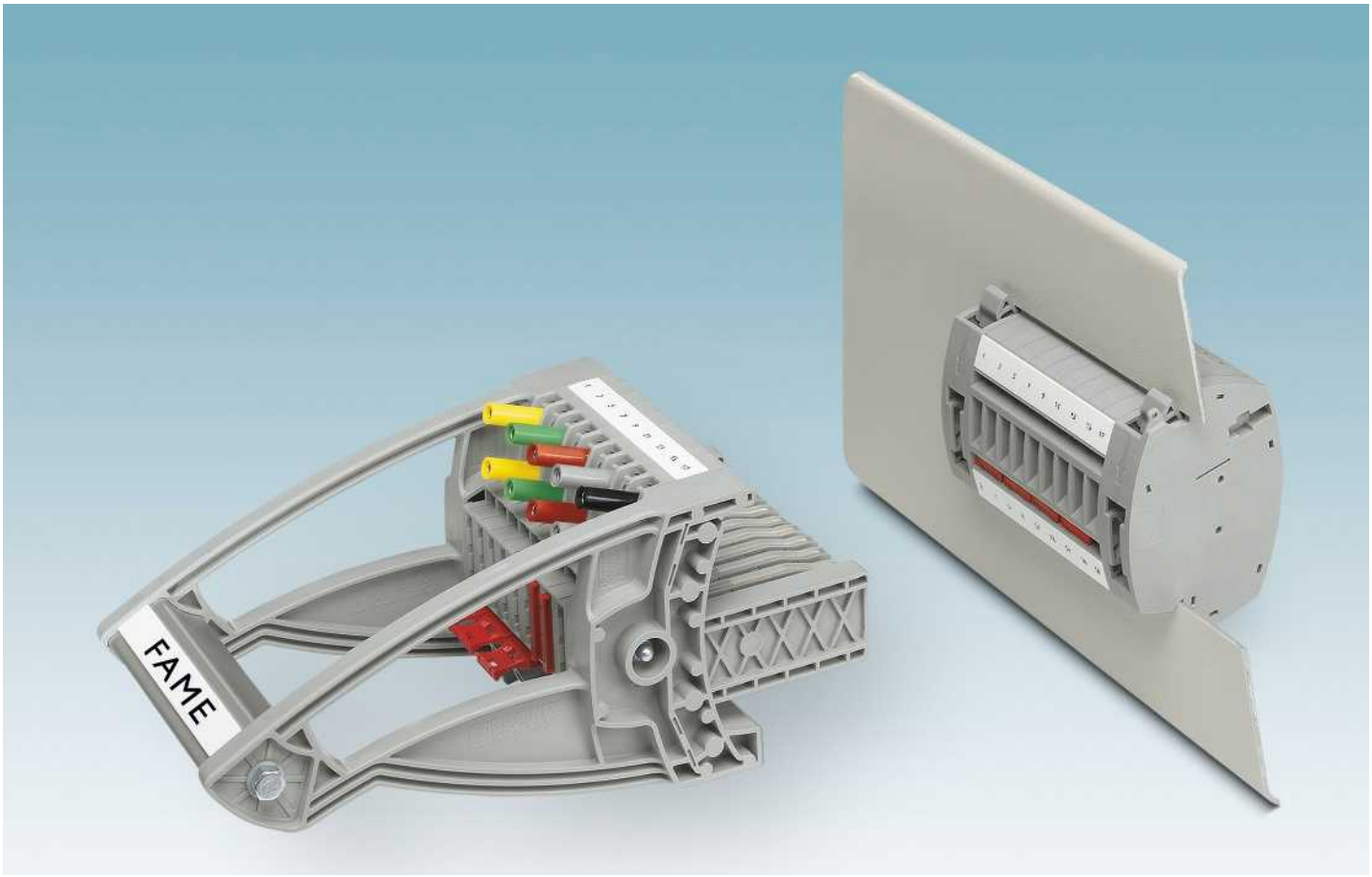
Type	Order No.	Pcs. / Pkt.
FTPR-2/I19	**3069496**	1
FTP-2/I19	**3069483**	1
FTP-2/1	**3069469**	1

Ordering data

Type	Order No.	Pcs. / Pkt.
FBP-2/I19	**3069678**	1



Test plug type I19

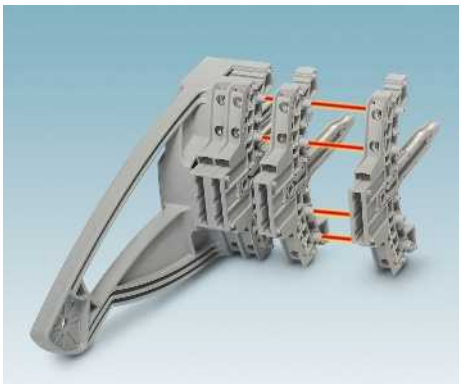


Switchable terminal blocks in a wide range of designs for power generation and distribution have been part of the terminal block product range for decades. These terminal blocks are specifically tailored to the test circuits in current transformer and voltage transducer secondary circuits. Manual switching operations short circuit current transformers prior to measurements being taken.
The FAME plug-in test system represents the further development of these switchable terminal blocks. The system consists of a test block built into the control cabinet panel and the associated operating and test plugs.
It is characterized by:
– Modular design
– Easy panel mounting
– Automatic transformer short circuit

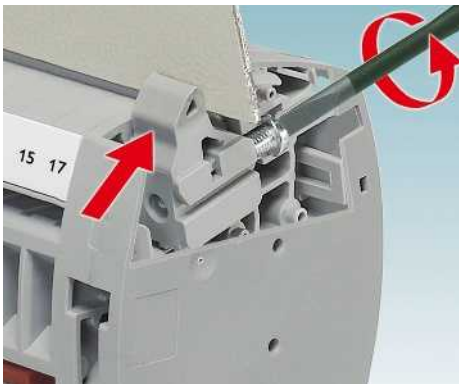
Thanks to its modular, configurable design, FAME is a flexible system which can be used to implement any conceivable number of positions. This means that the right solution is available for every circuit diagram.
The FAME plug-in test system is designed for IP20 protection. Wall mounting enables installation in the control cabinet door. This allows tests to be carried out without having to access the inside of the control cabinet (wiring level), which eliminates the possibility of modifications or manipulation. The transformer short circuit is at the heart of the system and when the short-circuit jumper is inserted it is implemented automatically when the operating or test plug is removed. This increases the level of safety considerably during current transformer and protective device testing.

The system is configured for current transformer and voltage transducer applications using accessories from the CLIPLINE complete system.

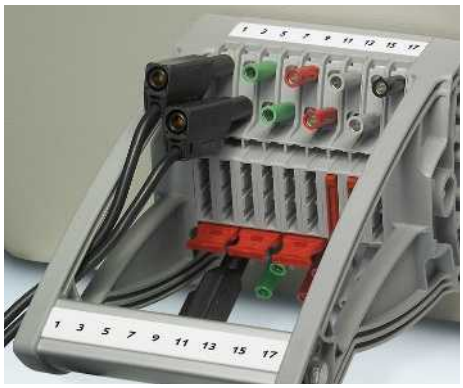
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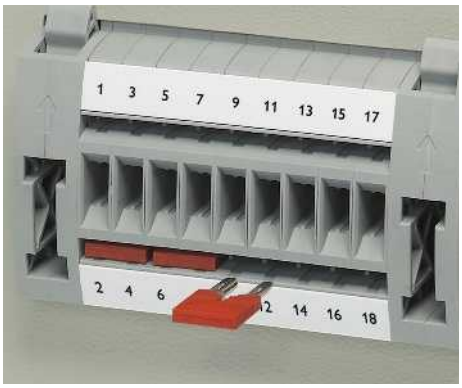
The compact and modular design of the system, as well as the plugs and test blocks, provides the right number of positions for every application.



The patented wall fastening is easy to use and has a robust design. Large tolerances in the plate cutout of up to 4 mm are compensated for by the eccentric tappet function.



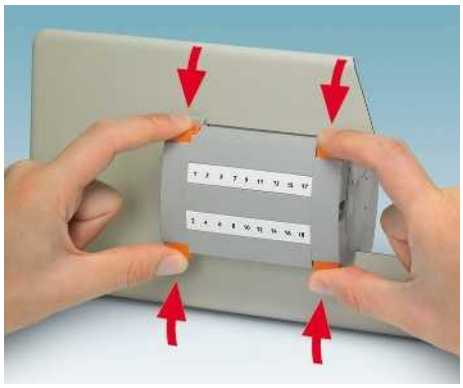
Thanks to the optional use of jumpers, all test circuits can be implemented in the plug. Staggered test sockets enable the use of safety test leads in a confined space.



The transducer block offers two function shafts for short-circuit jumpering on the control cabinet exterior. The operating plug safely covers the short-circuit jumpers in normal operation.



In addition to the two marking grooves, the test blocks also offer two function shafts inside the control cabinet, which are used, for example, to form the star point with the help of jumpers.



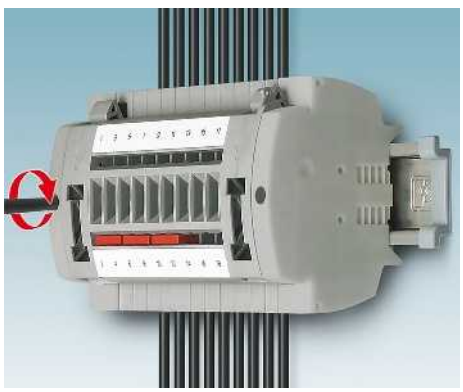
The robust latching of the operating plug can only be released with two-hand operation.



The operating plug is protected against unauthorized actuation thanks to the optional seal.

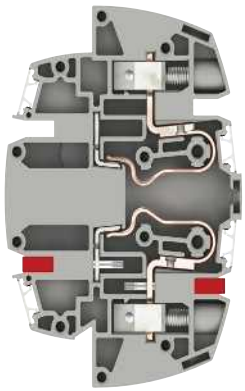


Large-surface marking options on the inside and outside of the control cabinet enable the clear identification of each terminal point.



The pre-assembled test terminal strips can be mounted in a space-saving way in the control cabinet by simply snapping the E-UTWE 6 adapter onto standard NS 35 DIN rails.

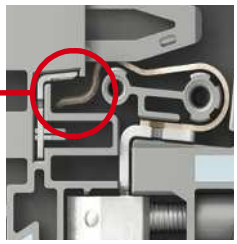
FAME 1
Modular plug-in test system with operating plug



The new, modular FAME 1 measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely.
The transformer short circuit generated automatically when pulling out the operating plug and the shock-proof design ensure the highest degree of safety during measurement.

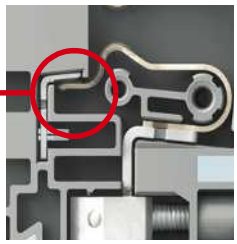
Normal operation

Switch contact
open



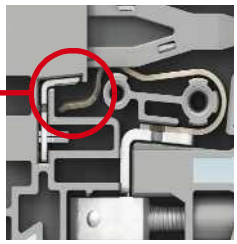
Transformer short circuit

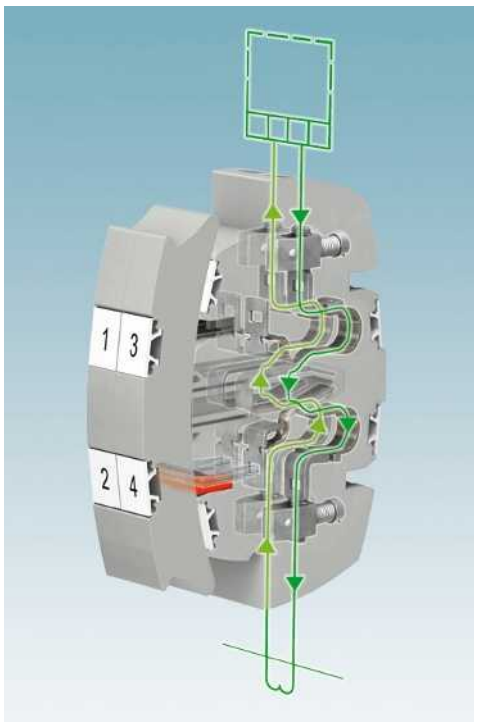
Switch contact
closed

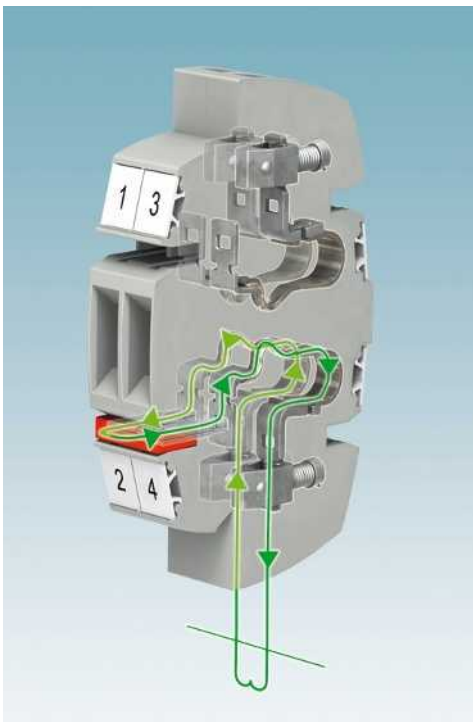


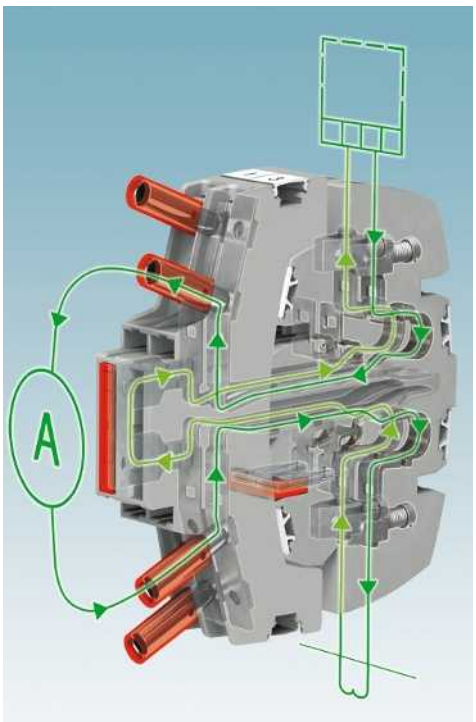
Test operation

Switch contact
open







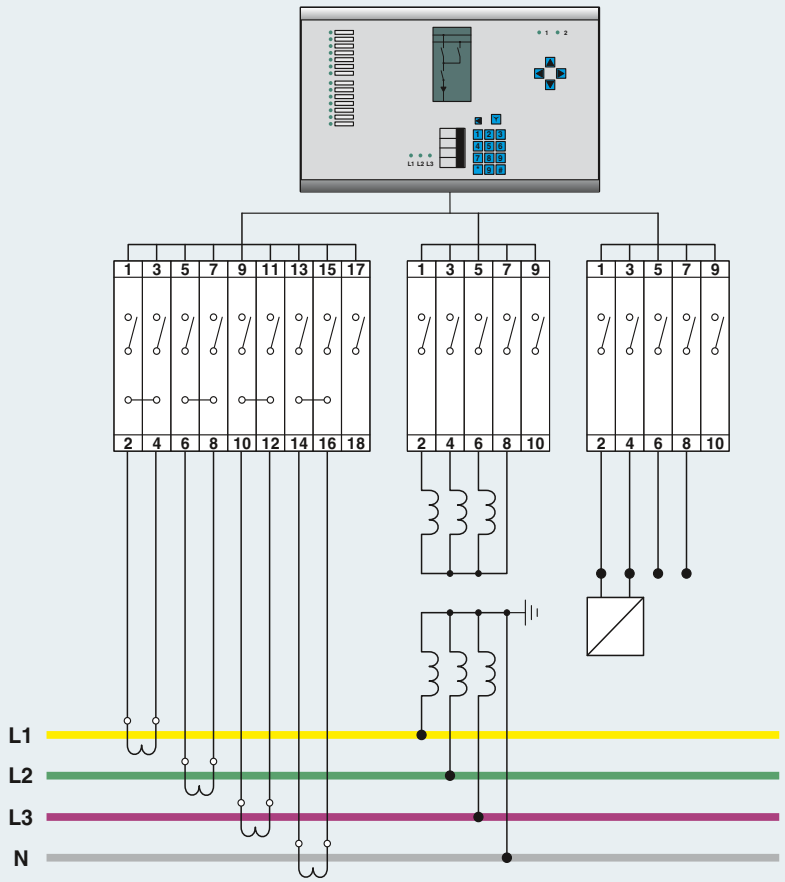


Normal operation
When the operating plug is used, the transformer short circuit is automatically overridden and the measuring transducer operates safely.

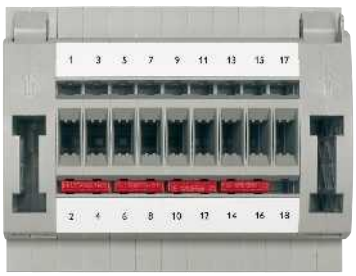
Transformer short circuit
If the plug is removed, the integrated switch contact automatically establishes a leading short circuit when short-circuit jumpers are plugged in.
Connected measuring transducers are safely protected against damage.

Test operation
When inserting the test plug, the ammeter connected to the test plug is first looped into the circuit. Then the transformer short circuit is automatically overridden.

Mains protection – switching example with sequential switching sequence



Test terminal strip for current transformers



Test terminal strip for voltage transformers



Test terminal strip for signal and tripping contacts



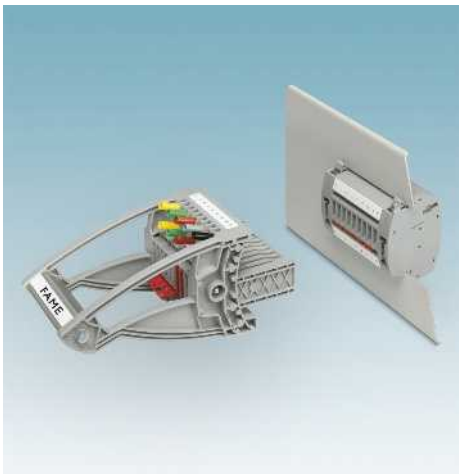
Test terminal strips, operating plugs, test plugs

Order No.	Type	Required quantity	Order No.	Type	Required quantity	Order No.	Type	Required quantity
3069064	UTWE 6/8+1	1	3069048	UTWE 6/4+1	1	3069048	UTWE 6/4+1	1
3069297	FWP 8+1	1	3069271	FWP 4+1	1	3069271	FWP 4+1	1
3069242	FTP 8+1	1	3069223	FTP 4+1	1	3069223	FTP 4+1	1

Jumper

3030284	FBS 2-8	4

Measuring transducer block, with connector



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement.

- The test blocks can be used universally for voltage transducers and current transformers
- The integrated, robust switch contact is designed for the most stringent demands, and the use of high-grade materials guarantees the transmission of signal currents, even after multiple actuations
- The robust test plug guarantees user-friendly handling.
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- Additional test leads, assembled with ring and fork-type cable lugs, can be attached with test sockets
- Space-saving design, with a pitch of just 8.2 mm and a 10 mm² screw connection
- FAME 6/...BI test blocks are available for standard panel cutouts. For panel cutout dimensions, visit phoenixcontact.net
- The blind plug serves as a protective cover for the test block when the operating plug is unplugged
- Adapter for mounting on NS 35... DIN rail see phoenixcontact.net/products

Notes:
For further test adapters, test sockets, and connectors for use with screw test sockets, visit phoenixcontact.net/products.
Derating curve on request.
To create panel cutouts, see phoenixcontact.net/products.
1) Rated surge voltage: 4 kV.
2) FAME 6/...BI test blocks are available for standard panel cutouts.



6 (10) mm², 30 A, test terminal strip, wall mounting

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)	
30	**400[1])**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1			
	IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[1])	300	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	10	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	24 - 8	-	-
Connection capacity	Solid	Stranded	Ferrule	without/with plastic sleeve
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	-			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Plug-in test system, 4-pos.	gray	**UTWE 6/3+1**		**3069047**	5
Plug-in test system, 5-pos.	gray	**UTWE 6/4+1**		**3069048**	5
Plug-in test system, 5-pos.[2])	gray	**UTWE 6/4+1 BI**		**3070008**	5
Plug-in test system, 6-pos.	gray	**UTWE 6/5+1**		**3069049**	5
Plug-in test system, 7-pos.	gray	**UTWE 6/6+1**		**3069051**	5
Plug-in test system, 7-pos.[2])	gray	**UTWE 6/6+1 BI**		**3069996**	5
Plug-in test system, 9-pos.	gray	**UTWE 6/8+1**		**3069064**	5
Plug-in test system, 13-pos.	gray	**UTWE 6/12+1**		**3069077**	5

Accessories

Jumper					
2-pos.	red	**FBS 2-8**	24 A	**3030284**	10
5-pos.	red	**FBS 5-8**	24 A	**3030310**	10
10-pos.	red	**FBS 10-8**	24 A	**3030323**	10
Pre-assembled bridge, marked					
3-pos., positions 1, 3	red	**FBS 1/3-8**	24 A	**3032363**	10
4-pos., positions 1, 4	red	**FBS 1/4-8**	24 A	**3032376**	10
5-pos., positions 1, 3, 5	red	**FBS 1/3/5-8**	24 A	**3032389**	10
10-pos., positions 1, 4, 7, 10	red	**FBS 1/4/7/10-8**	24 A	**3032402**	10
Test socket, insulated	transparent red blue yellow green violet black gray brown				
Fork-type cable lug, non-isolated DIN 46234	silver				
2.5 mm²	silver				
Fork-type cable lug, insulated, according to UL	red				
2.5 mm²	blue				
Screwdriver		**SF-SL 0,8X4,0-100**		**1212551**	10
Lateral groove marking		**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			



30 A, operating plug



24 A, test plug, incl. two test sockets per position



Blind plug

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
30	**400[1])**	**-**	**-**

IEC	UL	CSA	IEC/ EN 60079-7
400[1])	300	-	-
24 / 6	10	-	-
6	-	-	-
-	-	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-

-
-
-
-
-
-

PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
FWP 3+1	**3069270**	5
FWP 4+1	**3069271**	5
FWP 4+1	**3069271**	5
FWP 5+1	**3069272**	5
FWP 6+1	**3069284**	5
FWP 6+1	**3069284**	5
FWP 8+1	**3069297**	5
FWP 12+1	**3069307**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG (UL)
24	**400[1])**	**0.5 - 2.5**	**-**

IEC	UL	CSA	IEC/ EN 60079-7
400[1])	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-

-
-
-
-
-
-

PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FTP 3+1		**3069222**	1
FTP 4+1		**3069223**	1
FTP 4+1		**3069223**	1
FTP 5+1		**3069241**	1
FTP 6+1		**3069239**	1
FTP 6+1		**3069239**	1
FTP 8+1		**3069242**	1
FTP 12+1		**3069255**	1

Accessories

FBS 2-8	24 A	**3030284**	10
FBS 5-8	24 A	**3030310**	10
FBS 10-8	24 A	**3030323**	10
FBS 1/3-8	24 A	**3032363**	10
FBS 1/4-8	24 A	**3032376**	10
FBS 1/3/5-8	24 A	**3032389**	10
FBS 1/4/7/10-8	24 A	**3032402**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 RD		**3026719**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
PSBJ-URTK 6 GY		**3026612**	10
PSBJ-URTK 6 BN		**3026971**	10
C-FC 1,5/M3		**3240137**	100
C-FC 2,5/M3		**3240142**	100
C-FCI 1,5/M3		**3240032**	100
C-FCI 2,5/M3		**3240037**	100

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

Max. Ø [mm²]	AWG (UL)
-	**-**

IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-

-
-
-
-
-
-

PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
FBP 3+1	**3069399**	5
FBP 4+1	**3069405**	5
FBP 4+1	**3069405**	5
FBP 5+1	**3069409**	5
FBP 6+1	**3069406**	5
FBP 6+1	**3069406**	5
FBP 8+1	**3069407**	5
FBP 12+1	**3069408**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

DIN rail adapter





The pre-assembled test terminal strips can be mounted in a space-saving way in the control cabinet by simply snapping the E-UTWE 6 adapter onto standard NS 35 DIN rails.

– The adapters have a robust metal foot
– Secure connection to the DIN rail by simply screwing tight

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.
DIN rail adapter	gray	**E-UTWE 6**	**3069055**	10

Covers

– The AP RSC-T cover profile can be mounted from the inside of the control cabinet using the FAME 1 test terminal strip
– Terminal block screws are protected against unauthorized operation
– The APH-UTWE 6 cover profile holder is mounted by simply snapping it onto the test terminal strip on the right and left-hand side





Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.
Cover profile, supply length 1 m	transparent	**AP RSC-T**	**3059139**	10
Cover profile holder, can be snapped on and sealed	gray	**APH-UTWE 6**	**3069056**	10

Cable binders for securing test cables





– WT-D HF 7,5x200 removable cable binders can be used to easily secure test cables to an FTP FAME 1 test plug
– The cable binder base is simply unscrewed at the grip. The knurled screw is removed and then secured together with the base.

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.
Cable binder, maximum bundle Ø [mm]/minimum tensile strength [N] **50 / 220**	transparent	**WT-D HF 7,5X200**	**3240712**	100
Cable binder base, for cable binders of up to 9 mm width, screwable, 5 mm fixing hole, dimensions: 14.6 x 22 mm	transparent	**WT-BASE HF 9**	**3240704**	100

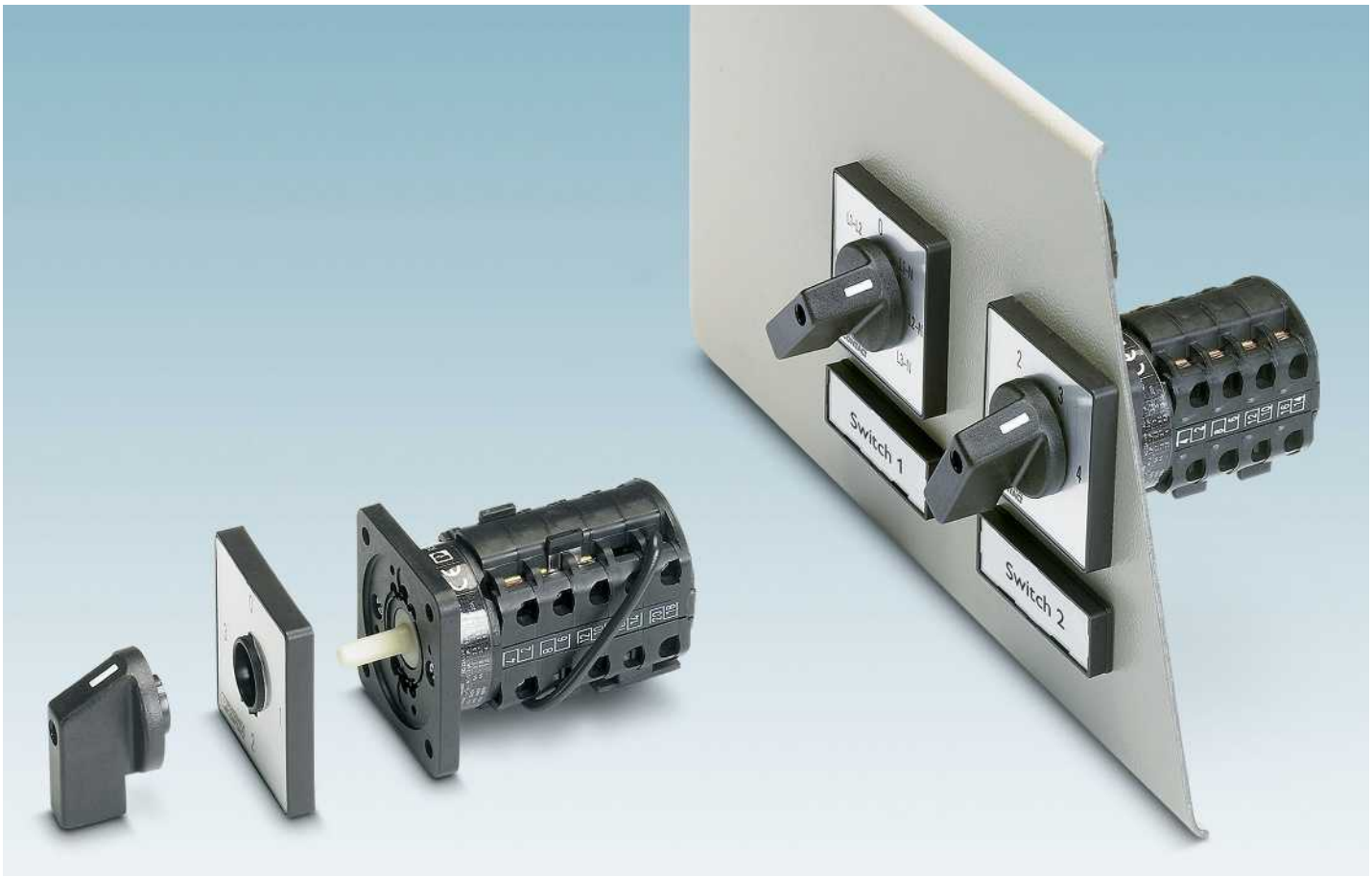
Colored PSBJ ... test sockets





– 4 mm safety test leads with fixed insulation according to EN 61010–031 CAT III and CAT IV up to 1000 V can be coded in true color
– Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 534) can be attached with test sockets.

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.
Test socket, insulated	transparent	**PSBJ-URTK 6 FARBLOS**	**3026450**	10
	red	**PSBJ-URTK 6 RD**	**3026719**	10
	blue	**PSBJ-URTK 6 BU**	**3026434**	10
	yellow	**PSBJ-URTK 6 YE**	**3026405**	10
	green	**PSBJ-URTK 6 GN**	**3026418**	10
	violet	**PSBJ-URTK 6 VT**	**3026421**	10
	black	**PSBJ-URTK 6 BK**	**3026447**	10
	gray	**PSBJ-URTK 6 GY**	**3026612**	10
	brown	**PSBJ-URTK 6 BN**	**3026971**	10





Compact design

Thanks to their compact design and the direction of the conductor connection, the rotary switches are ideally suited for switchgear, in which space is limited.



Universal and zero-maintenance

The main features of the 2.5 mm² screw connection are:

– Plus/minus screw drive
– Captive screw and safe screwdriver guidance
– Open in the delivery state
– Connection of conductors with and without ferrule or fork-type cable lug.



Individual marking

With the CLIP PROJECT marking software and EML-RS marking material, rotary switches can be individually designed with all Unicode-compatible fonts.
See Catalog 5 for this and additional marking material.

Voltmeter changeover switch with 0 position



The range of compact rotary switches up to 20 A is designed for use in energy technology applications with the available switching programs. The use of high-quality materials results in a long mechanical and electrical service life. The constructive design of the rotary switches affords a high level of safety: non-current-carrying parts are made of plastic, meaning that voltage cannot be transmitted to the control cabinet panel, for example.

– Approvals for international use. The rotary switches are free from cadmium and compliant with the RoHS directive
– The terminal points are designed in such a way that shock protection according to BGV A2 is ensured. All terminal block screws are enclosed in the housing thereby preventing contact with live parts.
– The rotary switches are attached by means of a robust four-hole attachment. The handle connection can be operated from the front, making it easy to install.
– Marker carriers with corresponding snap-in labels for individual printing are available to ensure clear identification of the rotary switches.



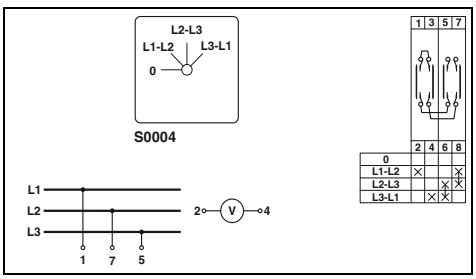
Notes:

For corresponding marker carriers, refer to Catalog 5.

[1]) For electrical values according to IEC 60947-3, see page 581.



2.5 (2.5) mm², 20 A, voltmeter switch with 0 setting



Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**72**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity		See page 581			
Breaking capacity		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Voltmeter changeover switch with 0 position, three linked voltages, 0 - L1-L2 – L2-L3 – L3-L1	silver/black	**RS20-US-S0004-0204-014H-001**	**3069700**	1

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Voltmeter changeover switch, ammeter changeover switch, control switch

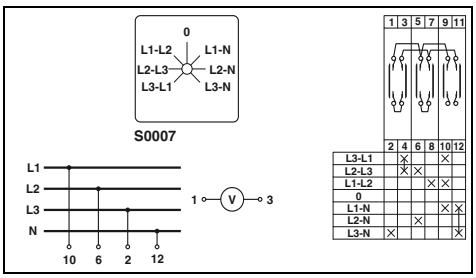
Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 581.

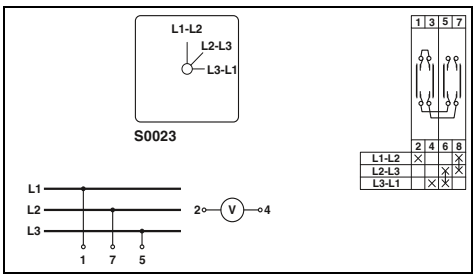


2.5 (2.5) mm², 20 A, voltmeter switch with 0 setting



2.5 (2.5) mm², 20 A, voltmeter switch without 0 setting





Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**81.5**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 581			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**72**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 581			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Voltmeter changeover switch with 0 position, three linked voltages and three phases to N, L3-L1 – L2-L3 – L1-L2 – 0 – L1-N – L2-N – L3-N	silver/black	**RS20-US-S0007-0307-014H-001**	**3069701**	1
Voltmeter changeover switch without 0 position, three linked voltages, L1-L2 – L2-L3 – L3-L1	silver/black			
Ammeter changeover switch, three transformer circuits with 0 position, 0 – 1 – 2 – 3	silver/black			
Ammeter changeover switch, all-round switching three transformer circuits with 0 position, 0 – 1 – 2 – 3	silver/black			
Control switch, STOP > < START, withdrawal	silver/black			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0023-0203-014H-001	**3069702**	1

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10



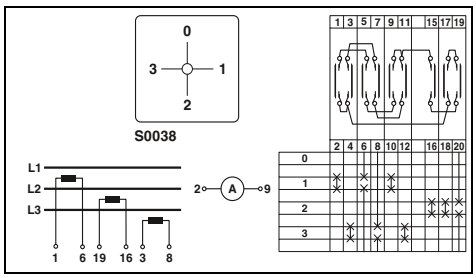
2.5 (2.5) mm², 20 A, ammeter switch

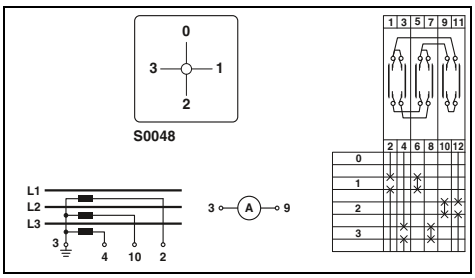


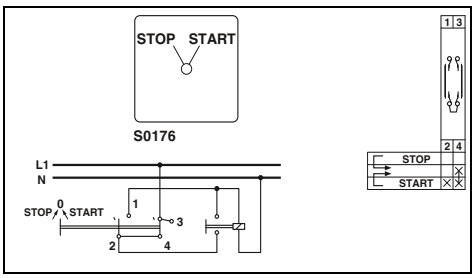
2.5 (2.5) mm², 20 A, ammeter switch



2.5 (2.5) mm², 20 A, control switch







Technical data

Width	Length	Installation depth	
48	**100.5**	**71.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**

IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 581

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0038-0504-014H-001	**3069703**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Technical data

Width	Length	Installation depth	
48	**81.5**	**52.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**

IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 581

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0048-0304-014H-001	**3069704**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**

IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 581

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0176-0102-014H-001	**3069705**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Control switch, off switch

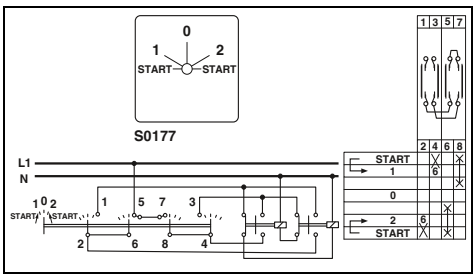
Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 581.

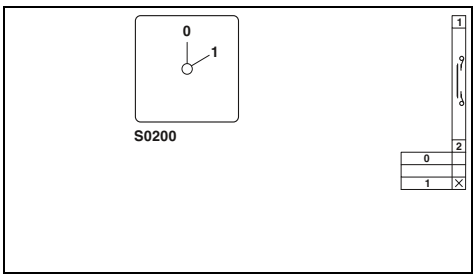


2.5 (2.5) mm², 20 A, control switch



2.5 (2.5) mm², 20 A, off switch





		Technical data				Technical data			
Dimensions		Width	Length	Installation depth		Width	Length	Installation depth	
	[mm]	**48**	**72**	**43**		**48**	**62.5**	**33.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**	**20**	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-		690[1])	300	-	
Rated continuous current	[A]	20	20	-		20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-		20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity									
		See page 581				See page 581			
Breaking capacity									
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)				150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting									
Max. backup fuse gL/gG characteristics	[A]	25				25			
Rated short-time current resistance (1 s current)	[A]	140				140			
General data									
Stripping length	[mm]	8				8			
Tightening torque	[Nm]	0.7 - 0.8				0.7 - 0.8			

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs. / Pkt.	**Type**	**Order No.**	Pcs. / Pkt.
Control switch, Double on/off button with snap-in operating positions (rotary switch), START > 1 – 0 – 2 < START	silver/black	**RS20-US-S0177-0205-014H-001**	**3069726**	1			
Off switch, 0 – 1	silver/black				**RS20-US-S0200-0102-014H-001**	**3069706**	1
		Accessories			**Accessories**		
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10



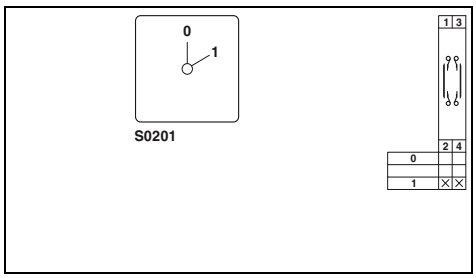
2.5 (2.5) mm², 20 A, off switch

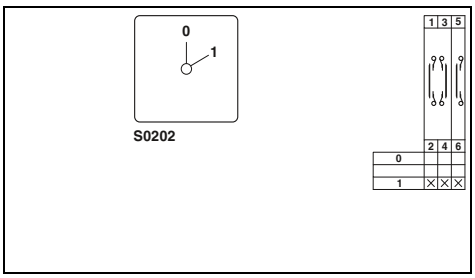


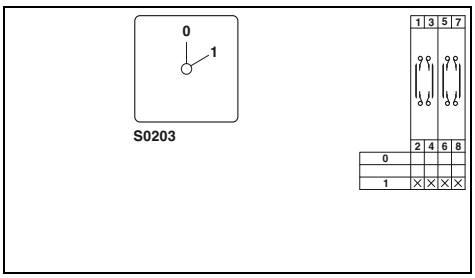
2.5 (2.5) mm², 20 A, off switch



2.5 (2.5) mm², 20 A, off switch







Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Technical data

Width	Length	Installation depth	
48	**72**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Technical data

Width	Length	Installation depth	
48	**72**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0201-0102-014H-001	**3069707**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0202-0202-014H-001	**3069708**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0203-0202-014H-001	**3069709**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Changeover switch with 0 position

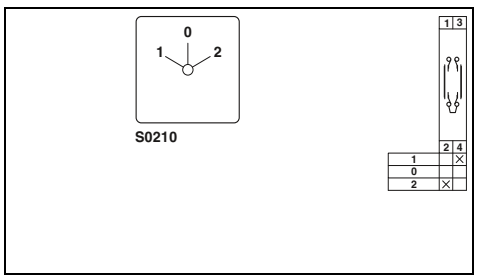
Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 581.

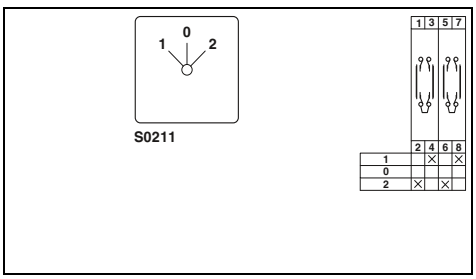


2.5 (2.5) mm², 20 A, switch with 0 setting



2.5 (2.5) mm², 20 A, switch with 0 setting





Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**62.5**	**33.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 581			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Changeover switch with 0 position, 1 – 0 – 2	silver/black	**RS20-US-S0210-0103-014H-001**	**3069710**	1
Changeover switch with 0 position, 1 > 0 < 2 with withdrawal on both sides	silver/black			

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**72**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 581			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Changeover switch with 0 position, 1 – 0 – 2	silver/black	**RS20-US-S0211-0203-014H-001**	**3069711**	1
Changeover switch with 0 position, 1 > 0 < 2 with withdrawal on both sides	silver/black			

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10



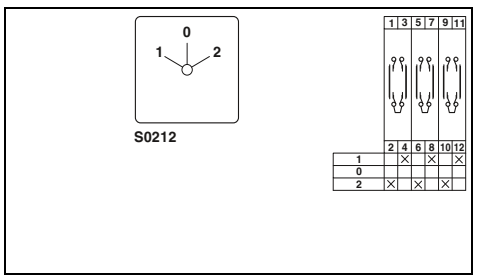
2.5 (2.5) mm², 20 A, switch with 0 setting

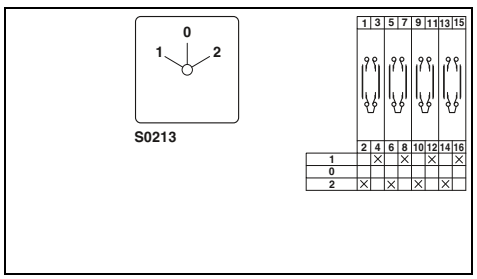


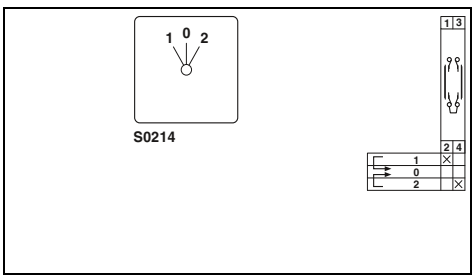
2.5 (2.5) mm², 20 A, switch with 0 setting



2.5 (2.5) mm², 20 A, switch with 0 setting







Technical data

Width	Length	Installation depth	
48	**82.5**	**52.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Technical data

Width	Length	Installation depth	
48	**91**	**62**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0212-0303-014H-001	**3069712**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0213-0403-014H-001	**3069713**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0214-0103-014H-001	**3069723**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Changeover switch with and without 0 position

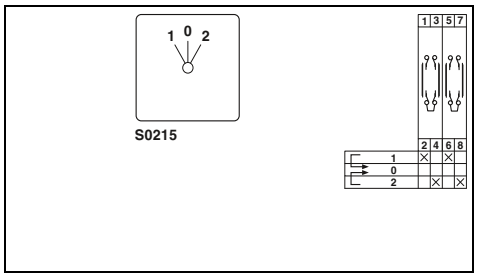
Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 581.

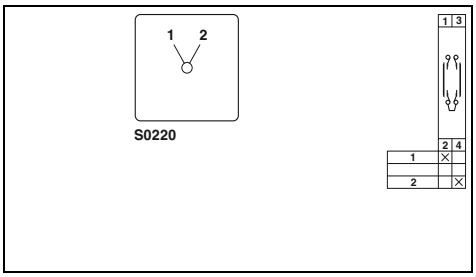


2.5 (2.5) mm², 20 A, switch with 0 setting



2.5 (2.5) mm², 20 A, switch without 0 setting





Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**72**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690[1])**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 581			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Changeover switch with 0 position, 1 > 0 < 2 with withdrawal on both sides	silver/black	**RS20-US-S0215-0203-014H-001**	**3069724**	1
Changeover switch without 0 position, 1 – 2	silver/black			
Changeover switch without 0 position, with electrically isolated contacts 1 – 2 symmetrical	silver/black			

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Technical data

		Width	Length	Installation depth	
	[mm]	**48**	**62.5**	**33.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690[1])**	**0.5 - 2.5**	**18 - 14**
		IEC	UL / CUL	CSA	
		690[1])	300	-	
		20	20	-	
		20 - 14	20 - 12	-	
		Solid	Stranded	Ferrule without/with plastic sleeve	
	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
		See page 581			
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
	[A]	25			
	[A]	140			
	[mm]	8			
	[Nm]	0.7 - 0.8			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0220-0102-014H-001	**3069714**	1

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10



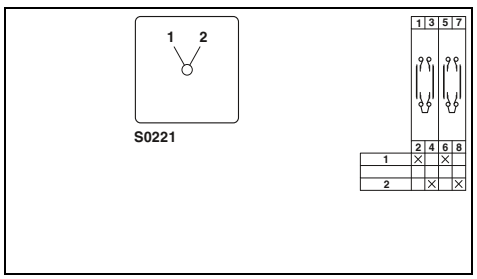
2.5 (2.5) mm², 20 A, switch without 0 setting



2.5 (2.5) mm², 20 A, switch without 0 setting



2.5 (2.5) mm², 20 A, switch without 0 setting, with electrically isolated contacts



Technical data

Width	Length	Installation depth	
48	**72**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690[1])**	**0.5 - 2.5**	**18 - 14**

IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 581

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

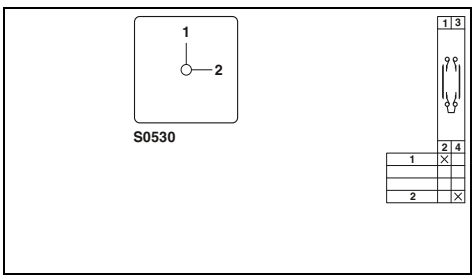
8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0221-0202-014H-001	**3069715**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10



Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690[1])**	**0.5 - 2.5**	**18 - 14**

IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 581

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

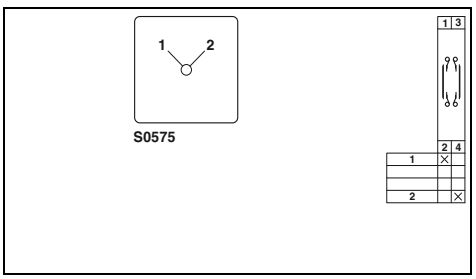
8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0530-0102-014H-001	**3069725**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10



Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690[1])**	**0.5 - 2.5**	**18 - 14**

IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 581

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0575-0102-014H-001	**3069719**	1

Accessories

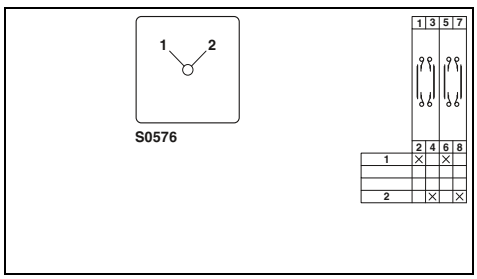
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Changeover switch, step switch

Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 581.

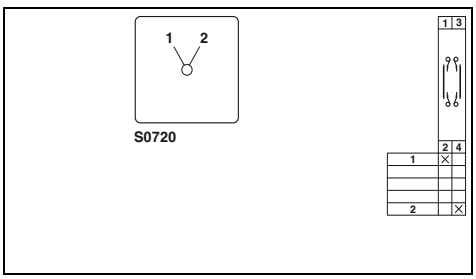


2.5 (2.5) mm², 20 A, switch without 0 setting, with electrically isolated contacts





2.5 (2.5) mm², 20 A, switch without 0 setting, with electrically isolated contacts



Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**72**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 581			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Changeover switch without 0 position, with electrically isolated contacts 1 – 2 symmetrical	silver/black	**RS20-US-S0576-0202-014H-001**	**3069720**	1
Step switch with 0 position, four steps	silver/black			
Step switch with 0 position, three steps	silver/black			
Step switch without 0 position, three steps	silver/black			

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**62.5**	**33.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 581			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Changeover switch without 0 position, with electrically isolated contacts 1 – 2 symmetrical	silver/black	**RS20-US-S0720-0102-014H-001**	**3069722**	1
Step switch with 0 position, four steps	silver/black			
Step switch with 0 position, three steps	silver/black			
Step switch without 0 position, three steps	silver/black			

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10



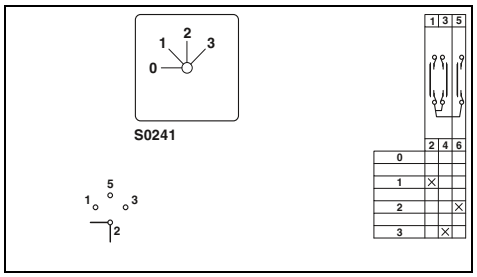
2.5 (2.5) mm², 20 A, stage switch with 0 setting

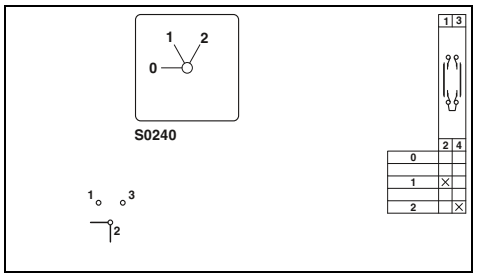


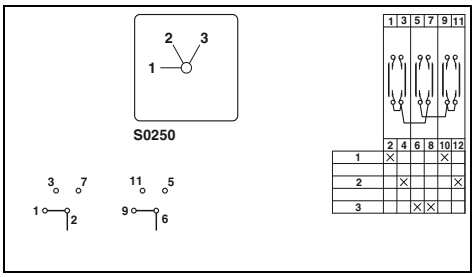
2.5 (2.5) mm², 20 A, stage switch with 0 setting



2.5 (2.5) mm², 20 A, stage switch without 0 setting







Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Technical data

Width	Length	Installation depth	
48	**72**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Technical data

Width	Length	Installation depth	
48	**81.5**	**52.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL / CUL	CSA	
690[1])	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0241-0204-014H-001	**3069716**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0240-0103-014H-001	**3069717**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0250-0303-014H-001	**3069718**	1

Accessories

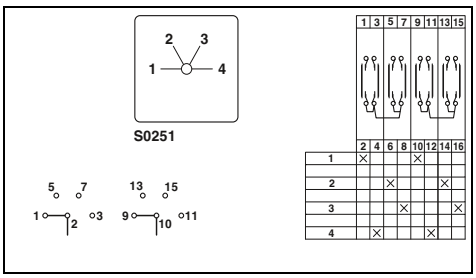
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Step switch without 0 position

Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 581.



2.5 (2.5) mm², 20 A,
stage switch without 0 setting



Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**91**	**62**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690[1])	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity		See page 581			
Breaking capacity		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short-circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Step switch without 0 position, four steps	silver/black	**RS20-US-S0251-0404-014H-001**	**3069721**	1

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

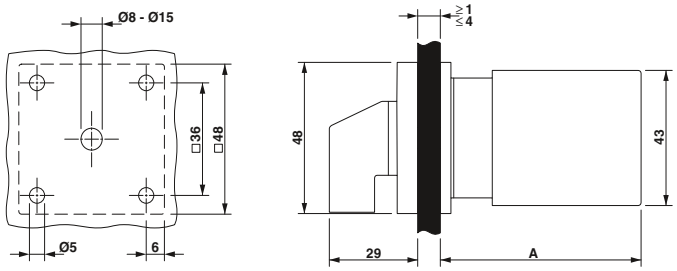
Electrical values according to IEC 60947-3, VDE 0660 Part 107

Rated data				
Rated continuous current I_u/I_{th}				20 A
Rated insulation voltage U_i [1)]				690 V
Rated impulse withstand voltage $U_{imp.}$				6 kV
Rated operating current I_e				
AC-21A	Switching of ohmic loads including small overloads			20 A
AC-22A	Switching of mixed ohmic and inductive loads including small overloads		220 V - 500 V 660 V - 690 V	20 A 20 A
AC-15	Switching of solenoid drives, contactors, valves, pulling electromagnets		220 V - 240 V 380 V - 440 V	5 A 4 A
Switching capacity				
AC-2	Starting of slip ring motors, reversing and plugging, star-delta startup	3-phase, 3-pos.	220 V - 240 V 380 V - 440 V 500 V 660 V - 690 V	4 kW 7.5 kW 10 kW 10 kW
AC-3	Direct starting of squirrel-cage motors, switching off during operation, star-delta startup (CH16B)	3-phase, 3-pos.	220 V - 240 V 380 V - 440 V 500 V 660 V - 690 V	3 kW 5.5 kW 5.5 kW 5.5 kW
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 380 V - 440 V	0.6 kW 2.2 kW 3 kW
AC-4	Starting of squirrel-cage motors, reversing, plugging, inching	3-phase, 3-pos.	220 V - 240 V 380 V - 440 V 500 V 660 V - 690 V	0.55 kW 1.5 kW 1.5 kW 1.5 kW
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 380 V - 440 V	0.3 kW 0.75 kW 1.5 kW
AC-23A	Frequent switching of motors or other highly inductive loads	3-phase, 3-pos.	220 V - 240 V 380 V - 440 V 500 V 660 V - 690 V	3.7 kW 7.5 kW 7.5 kW 7.5 kW
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 380 V - 440 V	0.75 kW 2.5 kW 3.7 kW
Breaking capacity				
			220 V - 240 V 380 V - 440 V 660 V - 690 V	150 A 150 A 80 A
Max. ambient temperature of the contact unit [1)]				
Open at 100% I_u/I_{th}		55°C over 24 hours with peaks up to 60°C		
Encapsulated at 100% I_{the}		35°C over 24 hours with peaks up to 40°C		

Switch types according to UL/CSA

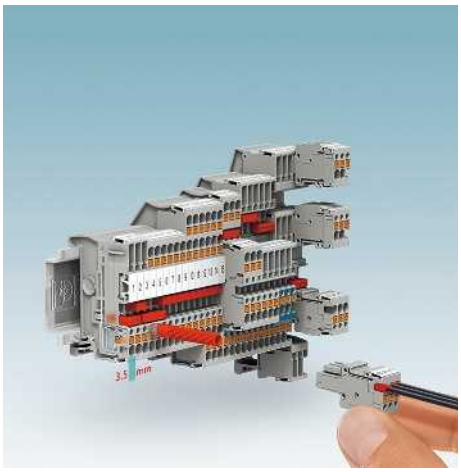
Rated data				
Rated continuous current I_u/I_{th}				20 A
Rated operating current I_e				
Pilot Duty		Heavy		A300 VAC
Ampere Rating	Non- or weakly inductive load			20 A
Switching capacity				
	Normal motor load, DOL rating (similar to AC-3)	3-phase, 3-pos.	110 V - 120 V 220 V - 240 V	1.5 HP 3 HP
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 277 V	0.5 HP 1 HP 2 HP
	Heavy-duty motor load, reversing rating (similar to AC-4)	3-phase, 3-pos.	110 V - 120 V 220 V - 240 V	0.5 HP 1 HP
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 277 V	0.17 HP 0.5 HP 0.6 HP

Installation depth, dimension A	
[mm]	Order No.
33.5	3069705, 3069706, 3069707, 3069710, 3069714, 3069717, 3069719, 3069722, 3069723, 3069725
43	3069700, 3069702, 3069708, 3069709, 3069711, 3659715, 3069716, 3069720, 3069724, 3069726
52.5	3069701, 3069704, 3069712, 3069718
62	3069713, 3069721
71.5	3069703



[1)] Valid for networks with grounded star point, surge voltage category III, pollution degree 3. Values for other network types on request.
Storage temperature: -40°C to 85°C (no impact load permitted at temperatures below -5°C)





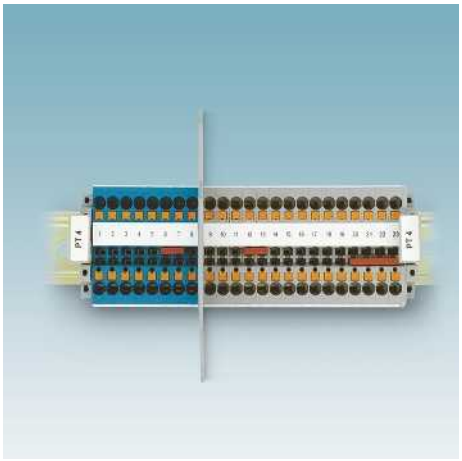
The PT 1,5/S series enables the space-saving and time-saving wiring of signals. With a terminal width of just 3.5 mm, solutions that can be disconnected and plugged in are available in addition to the wide range of feed-through terminal blocks.



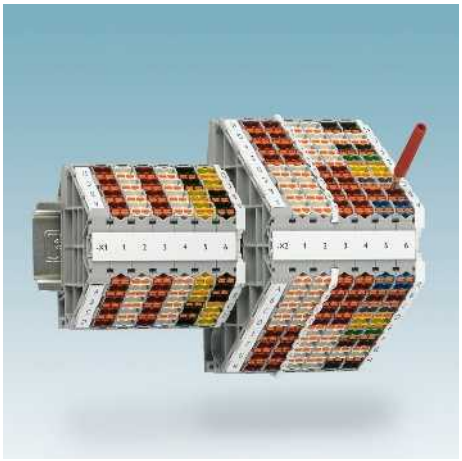
With double-level knife disconnect terminal blocks, you can fit up to 572 signals in one meter. The clear color assignment of the disconnect element to the wiring level prevents errors that could occur were the wrong signal circuit opened.



The comprehensive range of disconnect and fuse terminal blocks offers numerous solutions for potentially explosive areas. All common protection concepts are included.



In addition to being used in applications with increased safety (Ex e), Phoenix Contact terminal blocks can also be used in intrinsically safe circuits. Blue versions are available for identification. Intrinsically safe and non-intrinsically safe circuits can be separated using corresponding partition plates.



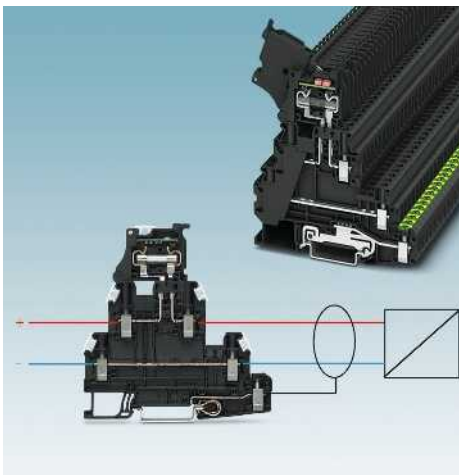
For applications with increased packing density for signal and potential distribution, PTRV marshalling terminals provide the ideal basis for user-friendly wiring thanks to their compact length and color design.

For marshalling terminals, see page 92 onwards.



For efficient wall and DIN rail mounting, the modular system of the PTMC marshalling patchboard enables customer-specific and color-true marshalling with any number of positions.

For marshalling patchboards, see page 99 onwards.



By combining the safety lever, feed-through, and PE foot, entire shielded signal circuits can be reliably wired in a single terminal block.

Find out more with the web code

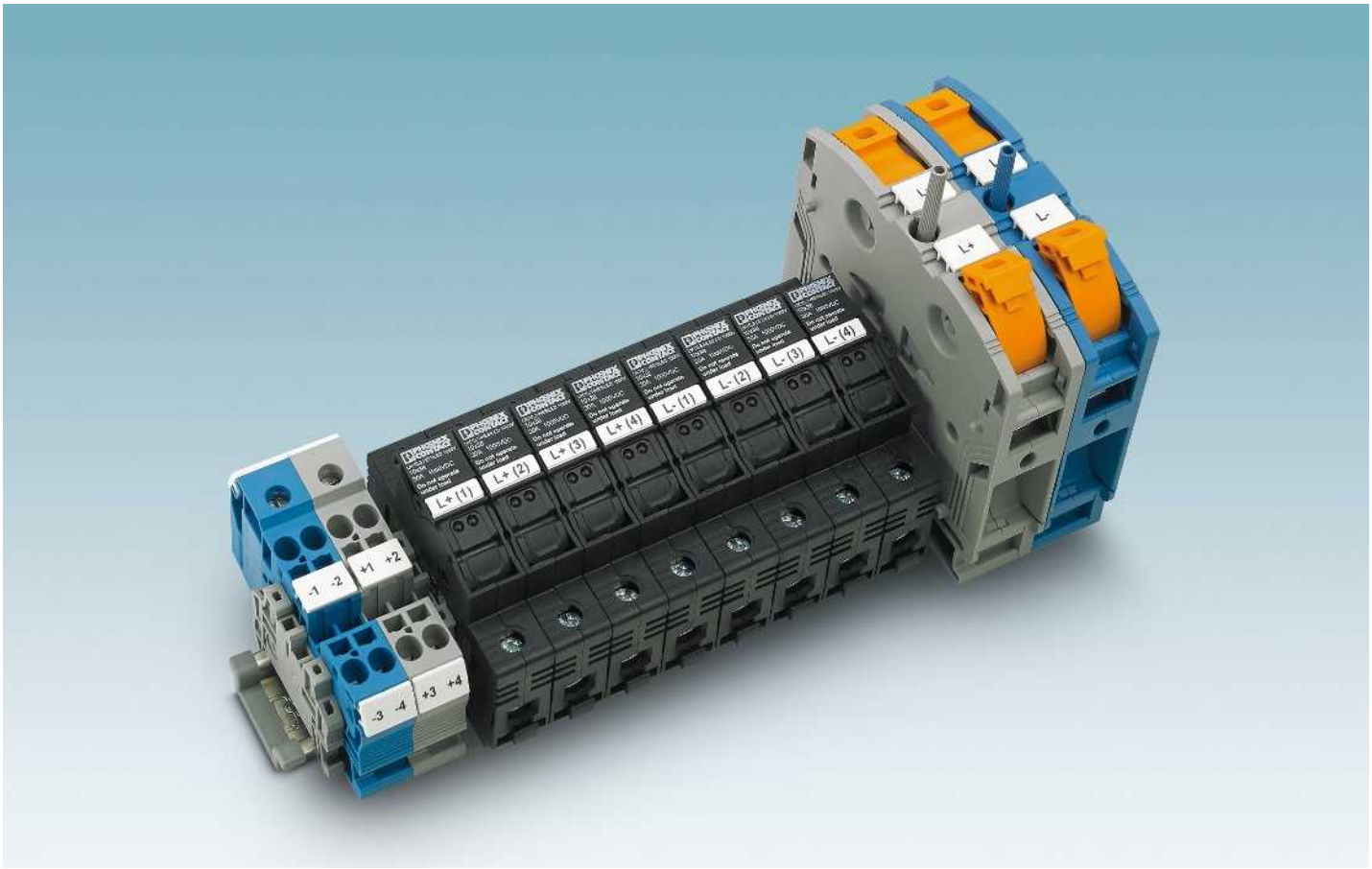
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Search



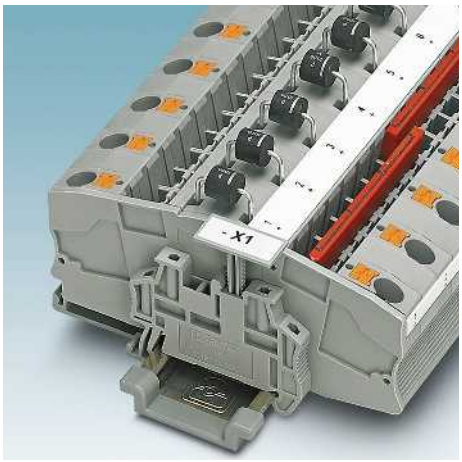


In the mix of renewable energies consisting of wind power, hydropower, biomass, and geothermal energy, solar power in Germany, for example, has taken the leading position. Throughout the world, solar energy generation offers the greatest potential and has enjoyed the most widespread acceptance.
While standard products can be used in the AC area of a solar system, a more specific approach is required for the DC area as a result of its special structure and characteristics.
In order to keep cable losses to a minimum, PV modules are connected to strings, thereby increasing the system voltage. Non-load voltages of PV systems reach up to 1000 V DC.

These high DC voltages place particular demands on the components used. In contrast to AC voltage, the DC voltage that is present allows creepage distances to be created very easily on the surface of insulating elements. The components used in this area must therefore have increased air and creepage distances.
In order to limit reverse currents which can occur in the event of a short circuit, the individual strings are protected. This preferably takes the form of 10.3 x 38 mm fuses in crystalline modules and blocking diodes incorporated into the circuit in thin-film modules.

Terminal blocks and fuses from Phoenix Contact cleverly meet the special requirements of photovoltaic systems. You will find a summary of all components in the "Components and systems for photovoltaics" brochure.

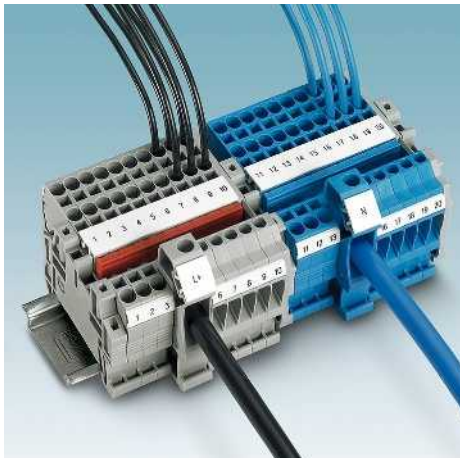
The corresponding photovoltaic terminal blocks can be found in the relevant sections on the respective connection technologies.



The STME 6-DIO HV and PTME 6-DIO HV diode terminal blocks serve as line diodes and are used in thin-film photovoltaic systems to prevent reverse currents. This means that the often sensitive thin-film modules are ideally protected to provide long-term stability.



Cables with larger cross sections are used for the connection between GCBs and inverters due to their higher currents and longer cable lengths. UKH ... and RBO ... terminal blocks can accommodate conductors with a cross section of up to 300 mm².



Potential collective terminal blocks are available for a quick and space-saving interconnection of individual strings. The output side accommodates up to 35 mm² of conductor in a screw terminal block unit.



The DC line fuses feature a specially coordinated, ultra-fast gPV characteristic. They can safely and permanently transfer nominal currents of up to 20 A at system voltages of 1000 V and protect lines against reverse currents in the event of an error.

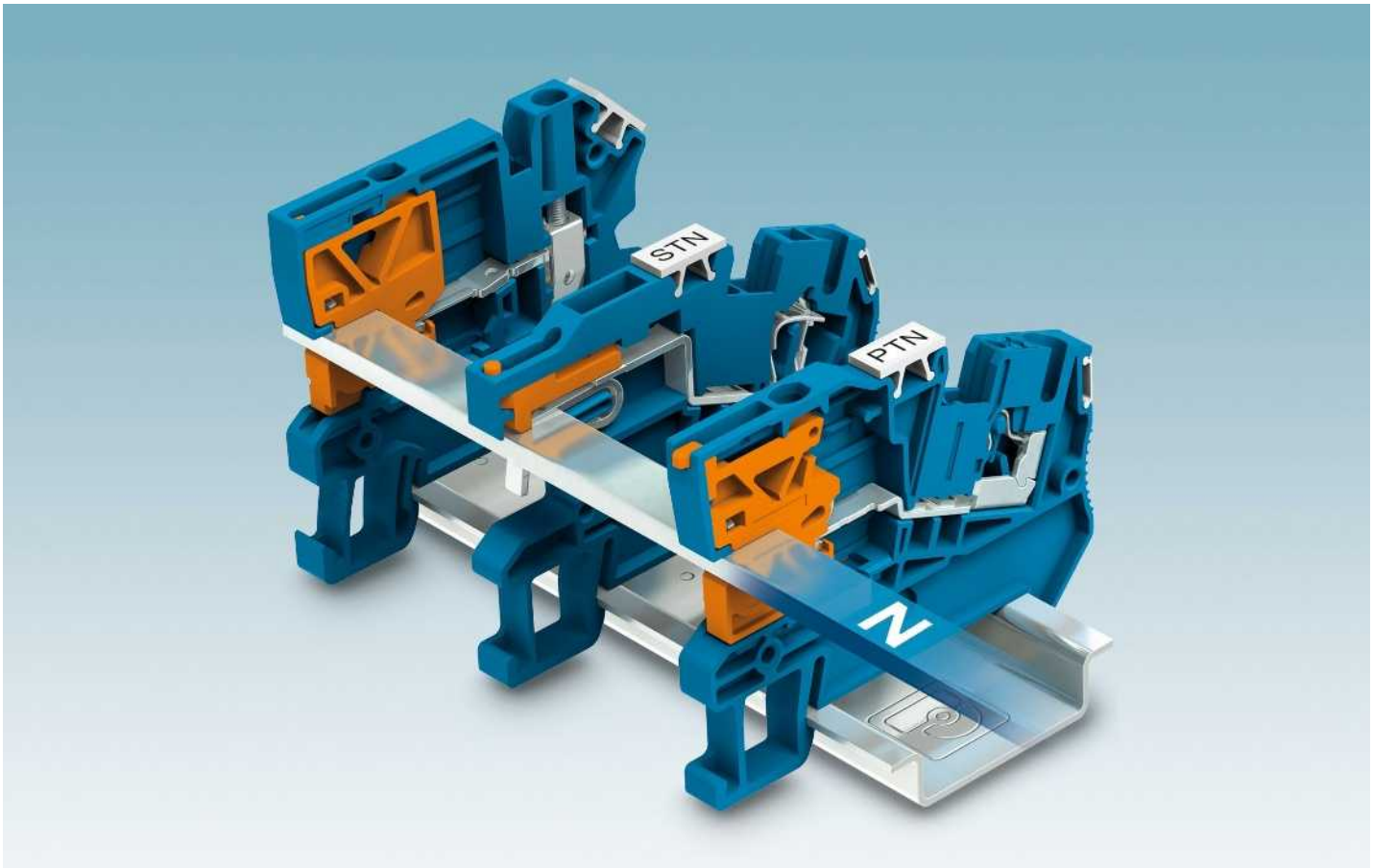
Find out more with the web code

Detailed information on these products can be found on our website.

Simply enter # and numbers in the search field.







Electrical installations in communal facilities such as schools, hospitals, assembly points, restaurants, and all public buildings must fulfil special normative requirements. Insulation resistances must be measured during startup or when servicing the system according to DIN VDE 0108-100 (EN 50172) without directly disconnecting the neutral conductor.
Installation terminal blocks from Phoenix Contact are precisely tailored to the requirements of electrical installations and distributor construction.

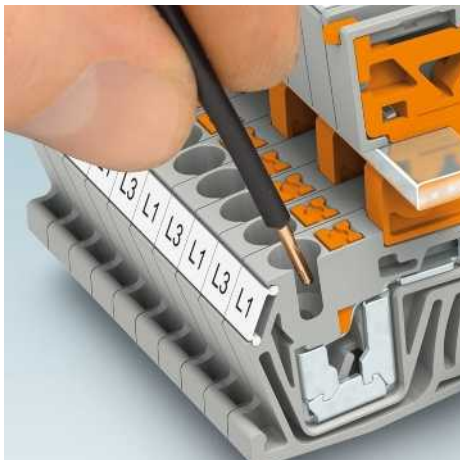
The neutral conductor can be conveniently separated for test purposes by means of a screwless, spring-loaded disconnect metal. When it is simply levered over with a standard screwdriver, it makes contact on the 3 x 10 mm standard profile. The disconnect slide locks into the end positions and the switching states are clearly signaled. These are sound prerequisites for the quick and safe testing of all versions. The double function shafts allow potentials to be multiplied with ease. Clearly visible marking surfaces and testing facilities at every terminal point ensure clarity, regardless of the mounting position.

Numerous versions with screw, spring-cage or push-in technology are available for all applications, and all versions are completely compatible.

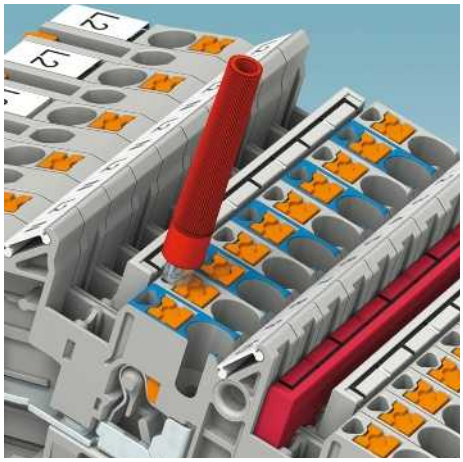
The corresponding installation terminal blocks can be found in the relevant sections on the respective connection technologies.



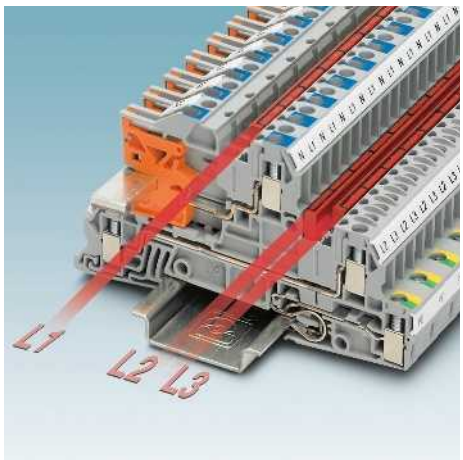
The screwless disconnect slide makes contact when it is simply slid onto the neutral busbar using a standard screwdriver. The switch position of the disconnect slide is clearly signaled.



PTI installation terminal blocks with push-in connection can be wired without tools. Strip the conductors, plug them in, and you're done. This represents a clear advantage in terms of the time it takes to perform wiring. The terminal blocks can be released using the actuation lever made from insulation material.



All installation terminal blocks are equipped with test openings on every level. All measurements and testing can therefore be carried out quickly and easily, even when all function shafts are occupied.



Double function shafts on each level provide comprehensive potential distribution. Even three-phase connections can be implemented conveniently and in a compact space with an overall width of just 10 mm. Lateral distribution is performed with FBS ... jumpers.

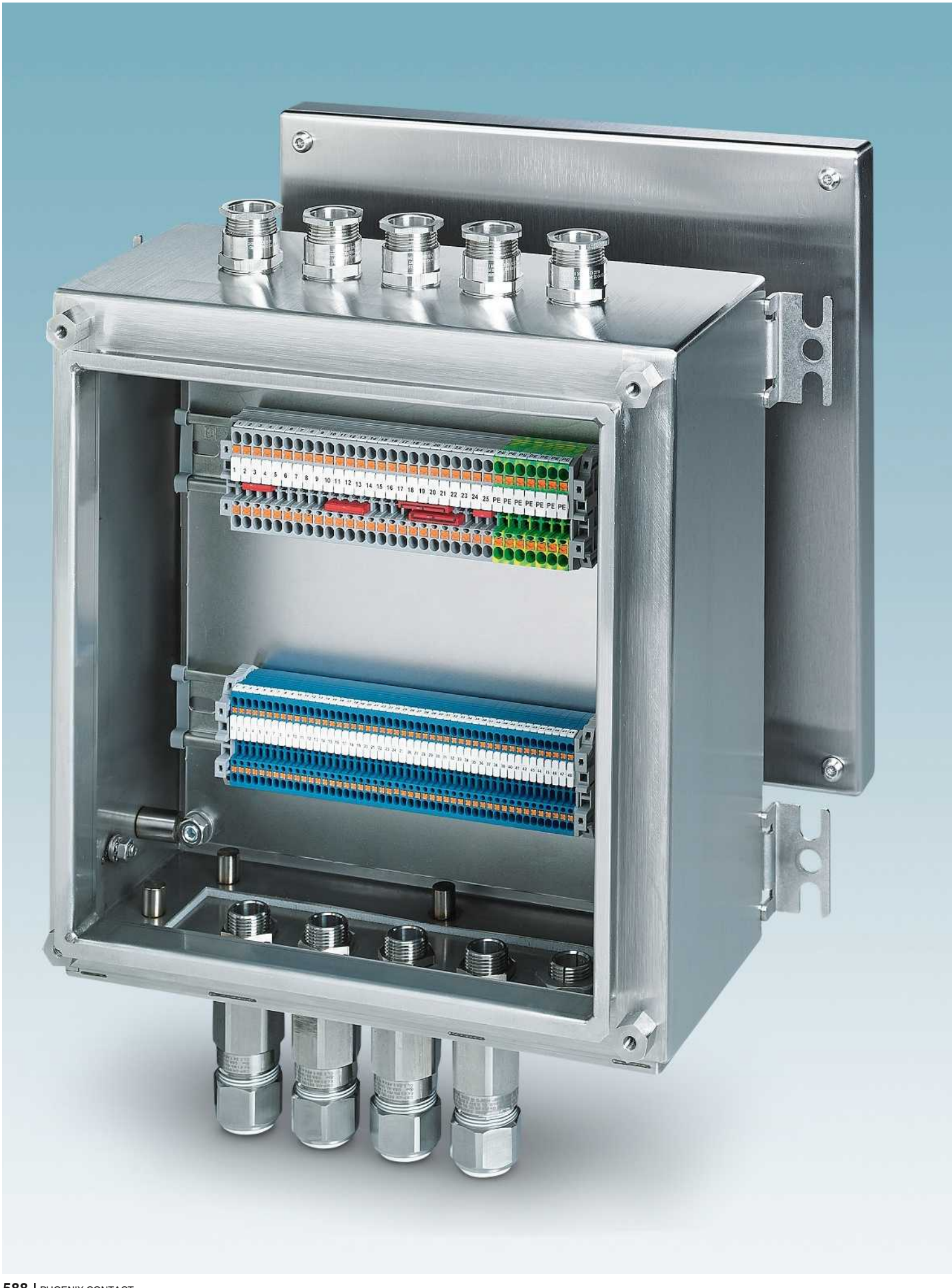
Find out more with the web code

Detailed information on these products can be found on our website.

Simply enter # and numbers in the search field.







Services - terminal strips, CLIPSAFE terminal boxes, planning and marking software

Our services

In addition to future-oriented products, Phoenix Contact offers a comprehensive range of services tailored to your needs. This covers ready-made terminal strips, control boxes, as well as printed marking materials.

CLIPSAFE terminal boxes

The robust CLIPSAFE stainless steel Ex terminal boxes and empty housings provide comprehensive protection for your application in industrial environments as well as in process technology. The housing range consists of standardized housings in sizes up to
1000 mm x 1000 mm x 300 mm. We can also machine these to your specifications, with consideration given to normative Ex standards according to ATEX and IECEx. They are supplied ready equipped with terminal blocks and cable glands for use in potentially explosive areas with corresponding device approval.

Your web code: #0140

Planning and marking software

The CLIP PROJECT planning and marking software consists of two modules:

– CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.
– CLIP PROJECT Marking is a powerful piece of software for the creation of individual labels for terminal blocks, cables, lines, devices, and systems.

Thanks to the optimum interaction between the two modules, even in connection with electrical planning systems, the result is an end-to-end process chain: from planning and documentation, right up to the finished terminal strip or the finished marking.

The advanced version, CLIP PROJECT PROFESSIONAL, also features an efficient template designer, which can be used to design custom labels.

The following product ranges can be found in Catalog 5

MARKING system marking systems
TOOL fox tools
CABINET add-on mounting material

Product range overview

Services - terminal strips	**590**
CLIPSAFE stainless steel Ex terminal boxes and empty housings	**592**
Planning and marking software	**594**

Services - terminal strips



The perfect solution for every application. We integrate your selected components or pre-assembled terminal strips into the right industrial housing, regardless of whether they are made from stainless steel, sheet steel, aluminum, polyester or polycarbonate.
Just install the control boxes and you're done.
We also offer consultation and a range of services for this. Our staff will be happy to work with you on site to create the ideal solution for your application, precisely tailored to your requirements.

Make the most of our comprehensive technical and industry-specific expertise. Reduce your planning and assembly time to a minimum with pre-installed terminal strips and housing solutions.

Our services at a glance:

– Joint creation of solutions from components for the control cabinet to assembled terminal strips right through to a completely assembled housing
– Phoenix Contact will also implement these solutions - including the creation of project-relevant documentation

Make the most of our comprehensive product portfolio and range of services to create your optimum solution.



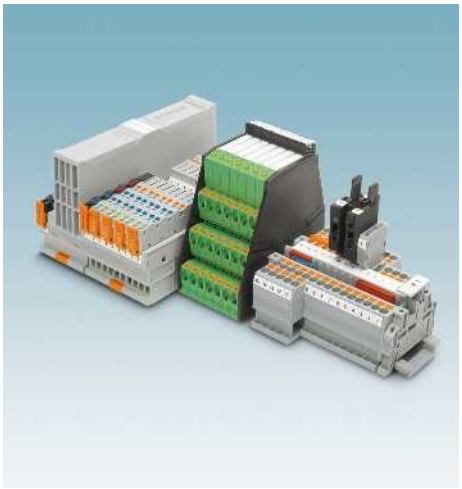
We work together with you to develop a tailor-made solution - perfectly matched to your application and needs. Make the most of our international sales network and local market proximity.



The Phoenix Contact product portfolio not only offers the right components for your control cabinet, but is also a solid foundation for creating complete housing solutions for your system installation.



With the CLIP PROJECT planning and marking software, we can plan, configure, and create your terminal strip quickly and easily for subsequent integration into the desired housing.



We create complete terminal strips, sets, and mounting plates according to your specifications, and these are consistently marked and delivered to you for direct mounting. This reduces your installation time to a minimum.



A complete housing solution also includes the quick and easy insertion of cables into the housing. With standard cable glands and the CES cable entry system, products with up to IP66 protection are available which meet this requirement.



With the MARKING system, informative and standard-compliant marking of control cabinets, switchgear, and their components can be implemented quickly, easily, and with high durability.

CLIPSAFE stainless steel Ex terminal boxes and empty housings





Empty Ex housing

Choose the right stainless steel housing for your application from 140 Ex-approved versions. Custom dimensions and surface treatments are available on request.



Empty Ex housing processed according to customer specifications

We can customize the housings according to your specifications with threads, bore holes, and rectangular cutouts, taking Ex standards according ATEX and IECEx into consideration.



Ex terminal boxes

Terminal boxes are supplied ready equipped with terminal blocks and cable glands with corresponding ATEX and IECEx device approval. Individual control boxes with electronic components are available on request.



Comprehensive product range

The housings are available as door or cover versions in nine different depths and sizes up to 1000 mm x 1000 mm x 300 mm. The robust housings made from up to 2 mm thick high-grade 1.4404 (V4A), AISI 316L stainless steel are ideal for use under extreme conditions.



Flexible door stop

The door stop can be easily changed according to your individual requirements or the installation situation. The 135° opening angle of the door guarantees comfortable work during maintenance and servicing. The special door and cover seal guarantees a reliable seal even after it has been opened multiple times.



Flexible wall fastening

The mounting brackets that are supplied as standard can be flexibly adapted to the installation situation. Welded-on mounting brackets are available on request.



Individual flange plate fixing

The terminal boxes and empty housings can be equipped with flange plates on up to four sides. The flange plates are equipped with a patented protective sealing frame and with captive mounting screws.



Safe outdoor use

The housings satisfy all the requirements of IP66 protection according to EN 60529, NEMA 4X, and NEMA 250 and are designed for safe use outdoors in a temperature range from -55°C to 135°C. A drainage channel reliably prevents the ingress of moisture and dirt when opened.

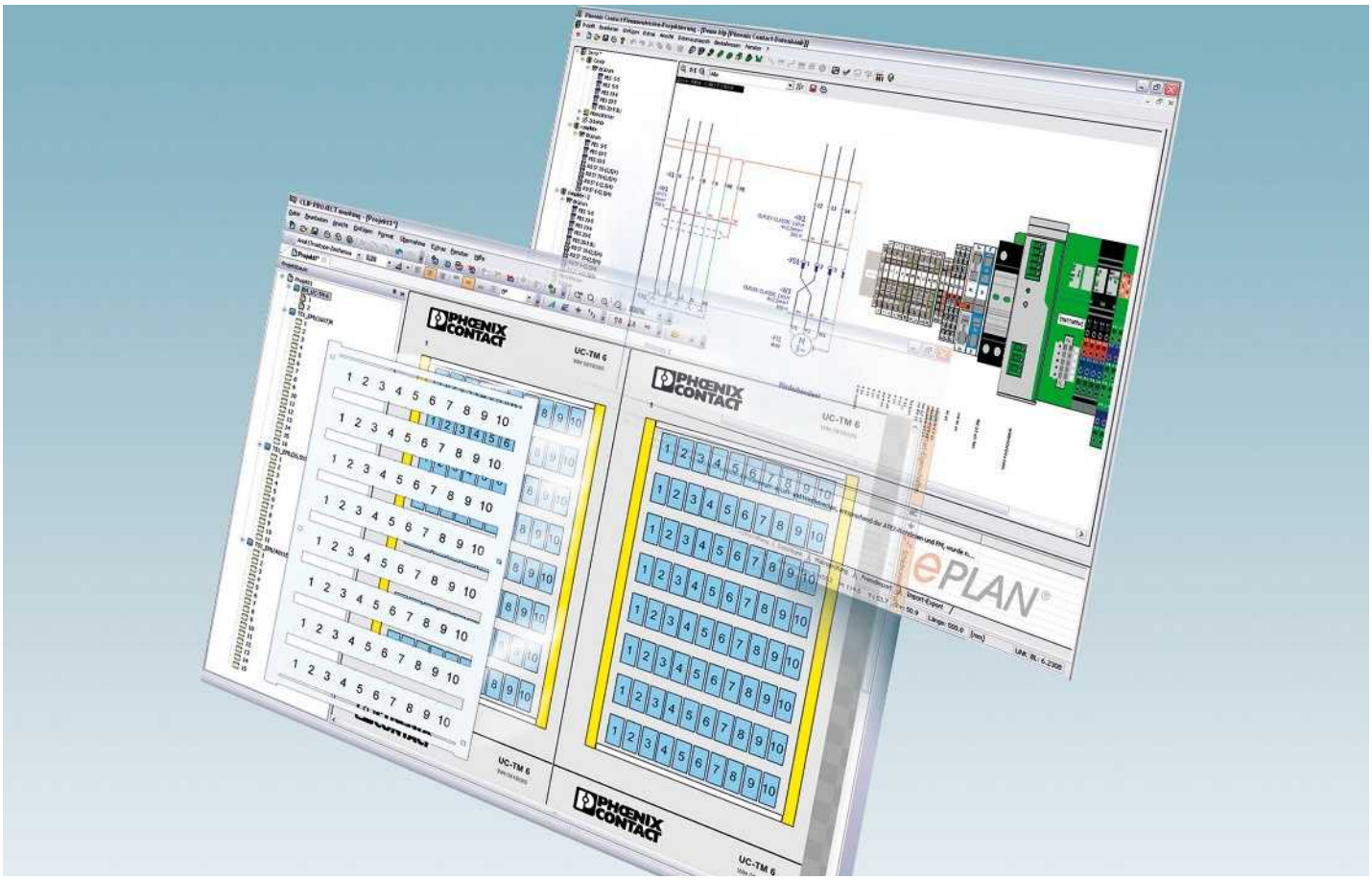


Ex cable glands

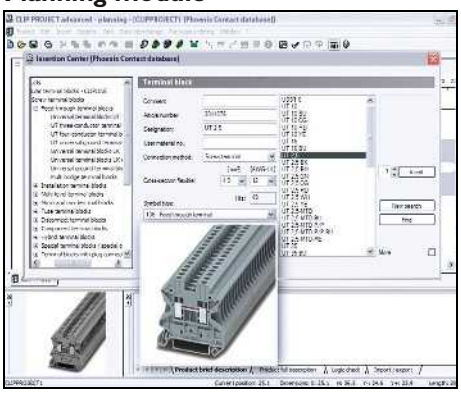
A comprehensive range of Ex cable glands made from stainless steel or nickel-plated brass is available to safely feed through standard, reinforced, and shielded cables. IP66, IP67, and IP68 protection provides maximum safety.

Your web code: #0140

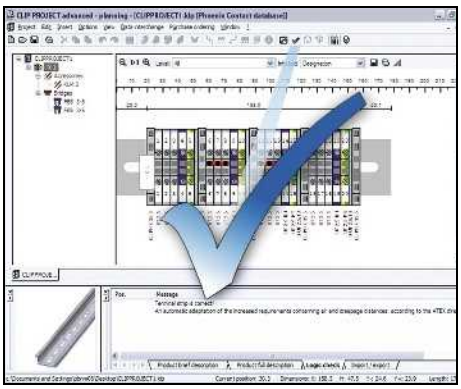
Planning and marking software



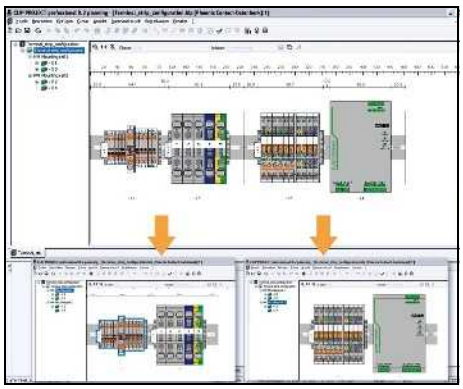
Planning module



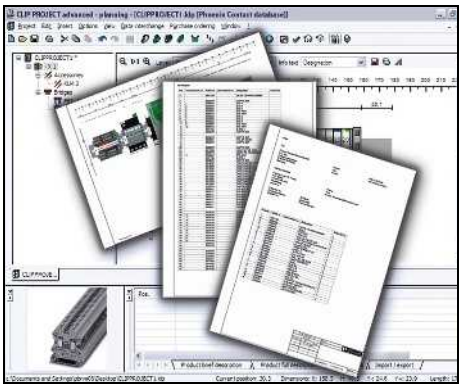
During selection, all Phoenix Contact products which can be fitted on DIN rails are displayed as a preview for rapid product selection.



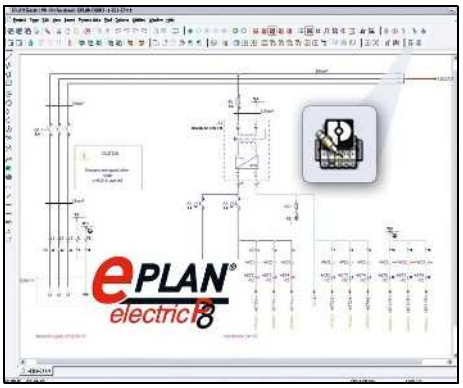
The automatic correction function checks the configured terminal strip and automatically adds any missing accessories. 2D and 3D design data are available at hhe click of a mouse.



The configured terminal strips can be distributed across several DIN rails in order to determine the exact space requirements for installation.



Complete documentation and an effective 3D preview are available for rapidly and correctly producing the mechanical structure of the terminal strips.

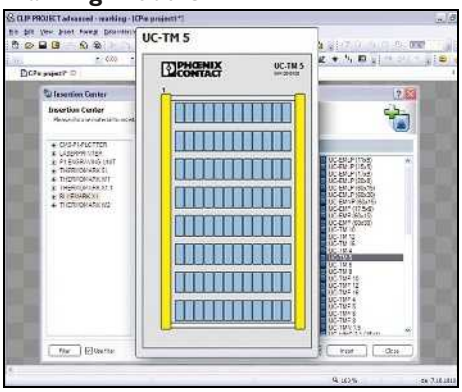


By integrating CLIP PROJECT into EPLAN P8, terminal strips are automatically produced from the circuit diagram in CLIP PROJECT. The product data is written back to the EPLAN parts lists using the two-way interface.

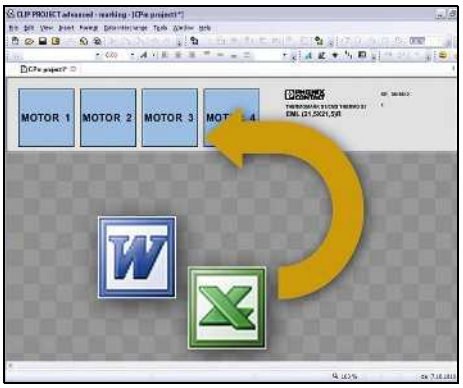


Phoenix Contact provides a terminal strip service. The terminal strips configured to suit your requirements can be ordered using the e-mail function. Phoenix Contact will supply the terminal strips promptly.

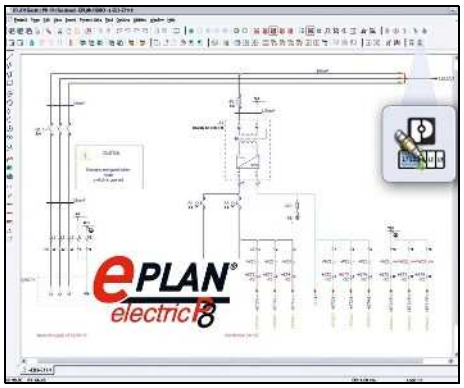
Marking module



During selection, the marking materials are displayed as a preview for rapid product selection.



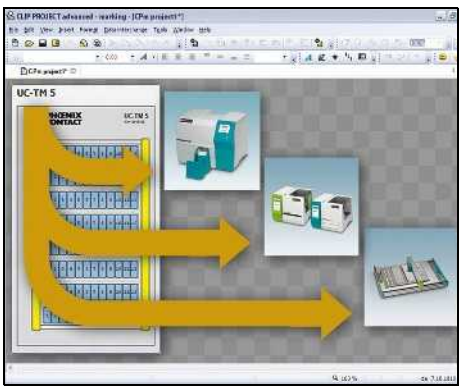
Interfaces to all CAE systems and spreadsheet and text processing programs are provided for the open exchange of data.



By integrating CLIP PROJECT into EPLAN P8, the marking data for terminal, conductor, and device marking can be automatically taken from the circuit diagram.



The online update immediately provides the user with new products and program extensions for the marking and planning module.



All Phoenix Contact output devices and standard office printers can be easily controlled with just one piece of software.



Phoenix Contact provides a marking service. Orders can be placed by e-mail and all items printed and supplied to suit the customer.

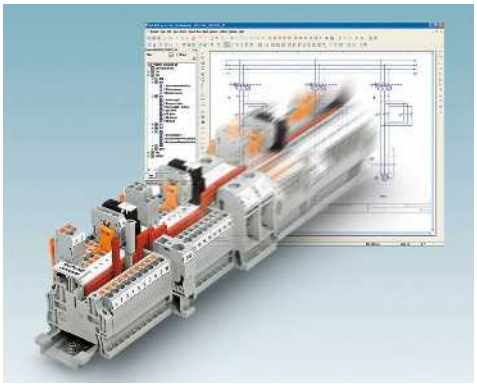
CLIP PROJECT advanced

The CLIP PROJECT advanced program enables the quick planning and configuration of terminal strips for the control cabinet and field as well as custom-marking of terminal blocks, cables and lines, and devices and systems:

– Planning of terminal strips with components of the CLIPLINE, INTERFACE, TRABTECH, and AUTOMATION product ranges
– The automatic correction function performs a logical test of the terminal strips and automatically adds the necessary accessories such as covers and end brackets
– The terminal strip configurator enables the distributed arrangement of individual terminal strips on different DIN rails
– 3D preview and complete documentation of the assembled DIN rails, such as order and mounting lists
– High-performance import of marking information and extensive design options for the custom-marking of terminal blocks, cables, and lines, as well as devices and systems
– Numerous sorting and filter functions for efficient management of your print jobs
– Support for all marking materials and output devices from Phoenix Contact
– Automatic Internet update
– Intuitive Windows® user interface

To reduce engineering costs and improve data quality, CLIP PROJECT advanced supports data exchange with electrical planning systems in both directions:

– With the circuit diagram as the basis, the required products are automatically selected and their complete data written back to the parts lists
– The marking information can be automatically exported and assigned to the desired marking materials
– In order for the marking to be assigned clearly, even in the case of extensive projects, the project structure tree from the CAE system has been adopted in CLIP PROJECT; this also allows the marking to be output to sub-projects



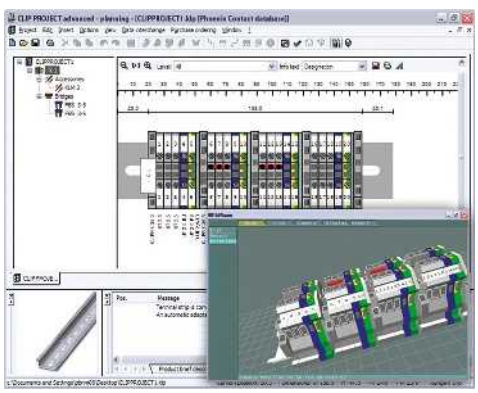


Technical data

General data	
Software interface	EPLAN 5.7 EPLAN Electric P8 AUCOTEC ELCAD AUCOTEC Engineering Base AUCOTEC RUPLAN ZUKEN E^3 Bentley Promis-e WSCAD IGE XAO PC-Schematic AUTOMATION SDProget SPAC
System requirements	
Operating systems	MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Ordering data

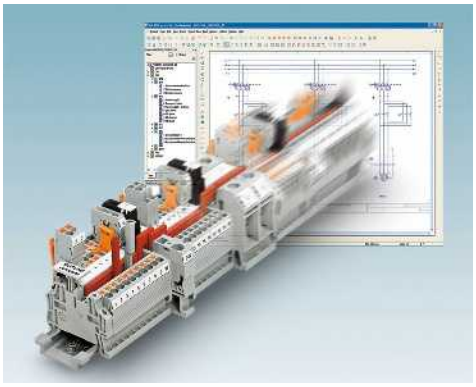
Description	Type	Order No.	Pcs. / Pkt.
CLIP PROJECT advanced, planning and marking software, German/English/French/Dutch/Italian/Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese/Chinese and Japanese	**CLIP-PROJECT ADVANCED**	**5146040**	1



CLIP PROJECT professional

The CLIP PROJECT planning and marking software is available in both an ADVANCED and PROFESSIONAL version:

– The PROFESSIONAL version also includes an efficient template designer, which can be used to design custom labels and adapt existing material descriptions
– Graphics, various barcode types, and geometric elements such as squares, circles, and lines can be accessed for design work
– Data can also be imported into the templates from various data sources
– Rapid, simple, and flexible adaptation to changing requirements



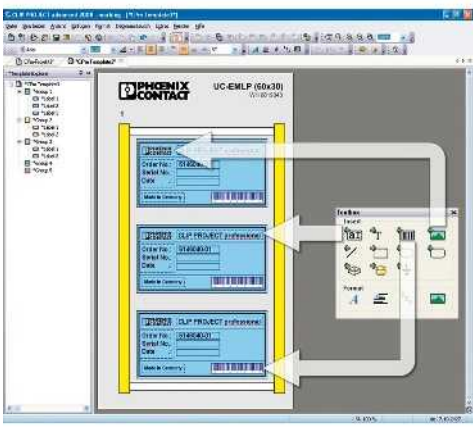


Technical data

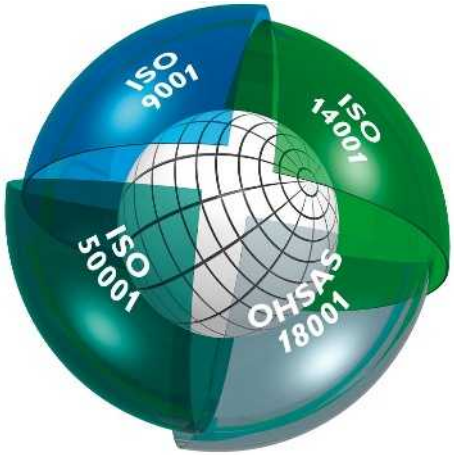
General data	
Software interface	EPLAN 5.7 EPLAN Electric P8 AUCOTEC ELCAD AUCOTEC Engineering Base AUCOTEC RUPLAN ZUKEN E^3 Bentley Promis-e WSCAD IGE XAO PC-Schematic AUTOMATION SDProget SPAC
System requirements	
Operating systems	MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
CLIP PROJECT professional, planning and marking software, with template designer, German/English/French/Dutch/Italian/Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese/Chinese and Japanese	**CLIP-PROJECT PROFESSIONAL**	**5146053**	1



Quality in quantity



Integrated management system

The aim of the Phoenix Contact integrated management system is to coordinate all the requirements regarding products, processes, and organization.

Statutory and regulatory requirements, as well as those of international standards and our customers, are met and, in some cases, even exceeded in all phases of the product lifecycle.

The Phoenix Contact management system is monitored by internationally recognized independent bodies each year to ensure that quality, environmental protection, energy efficiency, and occupational safety have been integrated in conformance with the relevant requirements. Certification according to international standards ISO 9001, ISO 14001, ISO 50001, and BS OHSAS 18001 is the result of our corporate philosophy of meeting the needs of our customers, staff, and environment as best as possible. They serve as the basis for innovative products with the familiar high Phoenix quality standard, actively practiced environmental protection through efficient production and products that conserve resources, and responsibility in the field of occupational health and safety. It goes without saying that we integrate all further requirements of standards, international approvals or special customer requirements into our company processes.

This system provides a building block for the success of the Phoenix Contact Group and its products and services.

CE marking

CE marking was introduced as an important instrument for the free movement of goods and services within the single European market. By attaching the mark to a product, the manufacturer confirms that it complies with all applicable European Union (EU) directives. EC directives describe the product properties with regard to device safety and avoiding danger. These are legally binding regulations of the European Union (EU). In other words, compliance with the requirements is a **statutory condition for marketing the product within the EU**.

Where applicable, the products that our company currently manufactures fall within the scope of the following directives:

– 2006/95/EC and 2014/35/EU
  Electrical equipment designed for use within certain voltage limits (Low-Voltage Directive)
– 2004/108/EC and 2014/30/EU
  Electromagnetic compatibility (EMC Directive)
– 2004/22/EC and 2014/32/EU
  Measuring instruments
– 2006/42/EC
  Safety of machinery (Machinery Directive)
– 94/9/EC and 2014/34/EU
  Equipment and protective systems intended for use in potentially explosive areas (ATEX Directive)
– 1999/5/EC
  R&TTE Directive and 2014/53/EU
  Radio Equipment Directive

The standards upon which the specified directives are based have been part of our standard of development for a long time. This guarantees conformance with European directives. The numbers of the directives indicate their version at the time of publication. In the event of changes to directives and/or standards, our products will undergo conformity assessment again in good time and a new declaration of conformity will be issued promptly. The current declarations for each product can also be found in our download area.

The EMC Directive occupies a special place among the European directives listed. It defines electromagnetic compatibility as a fundamental property of devices based on mandatory guidelines. European Law therefore acknowledges the electromagnetic compatibility of devices and systems as an important condition for error-free operation of machinery and systems. Phoenix Contact is one of the leading international companies in surge protection, and therefore possesses broad expertise in EMC. This expertise and the experience gained over years of developing and applying industrial interface and communication technology have resulted in our products having an extremely high standard of quality with regard to electromagnetic compatibility. It was with a view to providing other companies with this expertise that our associate company, Phoenix Testlab, was founded. Phoenix Testlab GmbH is an independent, accredited service provider offering EMC testing that conforms to European standards. At Phoenix Testlab, devices are also tested with regard to their electrical safety, mechanical influences, and their behavior in relation to environmental influences. Furthermore, Phoenix Testlab is a "Notified Body" according to EMC Directive 2004/108/EC and according to R&TTE Directive 1999/5/EC for radio and telecommunications terminal equipment. As a "Telecom Certification Body" (TCB), Phoenix Testlab may also approve these products for markets in the USA, Canada, and Japan.

Standards and regulations

All relevant standards and regulations are used as the basis for the development and maintenance of our products.

International standards are subject to continuous changes as a result of harmonization and new developments. In line with this process, the current version of all standards that are relevant to our products is documented in the product area on our website at **www.phoenixcontact.net/products**.

Online product information service on the web

Phoenix Contact's product range is growing constantly.

Due to our commitment to product monitoring, all products are subject to improvement.

The Internet is an ideal platform to quickly communicate new product developments and improvements to the market.

You can quickly access the relevant Phoenix Contact website for your region via www.phoenixcontact.com. Here, you will always find the latest overview of products, solutions, and services from Phoenix Contact. This includes technical documents, such as data sheets and user manuals, the latest driver and demo software, plus a means of contacting the appropriate contact person directly.

Certification bodies and safety marks

Certification bodies and approvals		Country code
CB scheme	IECEE CB Scheme (in combination with certifying body)	Interna-tional
CCA	CENELEC Certification Agreement (CCA inspection report) (in combination with certifying body)	EU
	Canadian Standards Association (CSA)	CA
	Canadian Standards Association (CSA) - CSA approval for the USA -	US
	Canadian Standards Association. (CSA) Combined logo - CSA approval for Canada and the USA -	CA US
	Underwriters Laboratories Inc. (UL)	US
	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
	Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA
	INSIEME PER LA QUALITA'E LA SICUREZZA	IT
EAC	Eurasian Conformity	BY KZ RU
KEMA KEUR	DEKRA Certification B.V.	NL
ÖVE	Österreichischer Verband für Elektrotechnik	AT
SEV	electrosuisse SEV Verband für Elektro-, Energie- und Informationstechnik	CH
VDE	Verband Deutscher Elektrotechniker e.V. (VDE) – Approval of drawings – Reports with production monitoring	DE
DGUV TEST	Berufsgenossenschaft (BG) GS - Geprüfte Sicherheit	DE
Intertek	Intertek ETL Listed - Approval for the USA -	US
Intertek	Intertek ETL Listed - Approval for Canada -	CA
Intertek	Intertek ETL Listed - Approval for the USA and Canada -	US CA
TÜV	TÜV Rheinland Industrie Service GmbH	DE
CCC	China Compulsory Certificate	CN

Explosion protection		Country code
IEC IECEx	International Electrotechnical Commission	Interna-tional
DEKRA	DEKRA Certification B.V.	NL
PTB	Physikalisch-Technische Bundesanstalt	DE
kiwa	KIWA Nederland B.V.	NL
QS International	QS Schaffhausen AG	CH
VTT	VTT Expert Services Oy	FI
IBExU	IBExU Institut für Sicherheitstechnik GmbH	DE
TÜV Certificadora	TÜV Rheinland do Brasil	BR
TÜV NORD	Technischer Überwachungsverein Nord	DE
DEKRA	DEKRA EXAM GmbH	DE
	Canadian Standards Association (CSA)	CA
	Canadian Standards Association (CSA) - CSA approval for the USA -	US
	Canadian Standards Association. (CSA) Combined logo - CSA approval for Canada and the USA -	CA US
	Underwriters Laboratories Inc. (UL)	US
	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
	Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA
FM APPROVED	FM Approvals	US
EAC Ex	Eurasian Conformity for Ex-products	BY KZ RU

Ship classification societies		Country code
BUREAU VERITAS	Bureau Veritas	FR
GL	Germanischer Lloyd AG	DE
Lloyd's Register	Lloyd's Register of Shipping	GB
ClassNK	Nippon Kaiji Kyokai	JP
DNV	Det Norske Veritas	NO
	Polski Rejestr Statków	PL
	Russian Maritime Register of Shipping	RU
KR KOREAN REGISTER	Korean Register of Shipping	KR
ABS	American Bureau of Shipping	US

Competence in connection technology

CLIPLINE complete

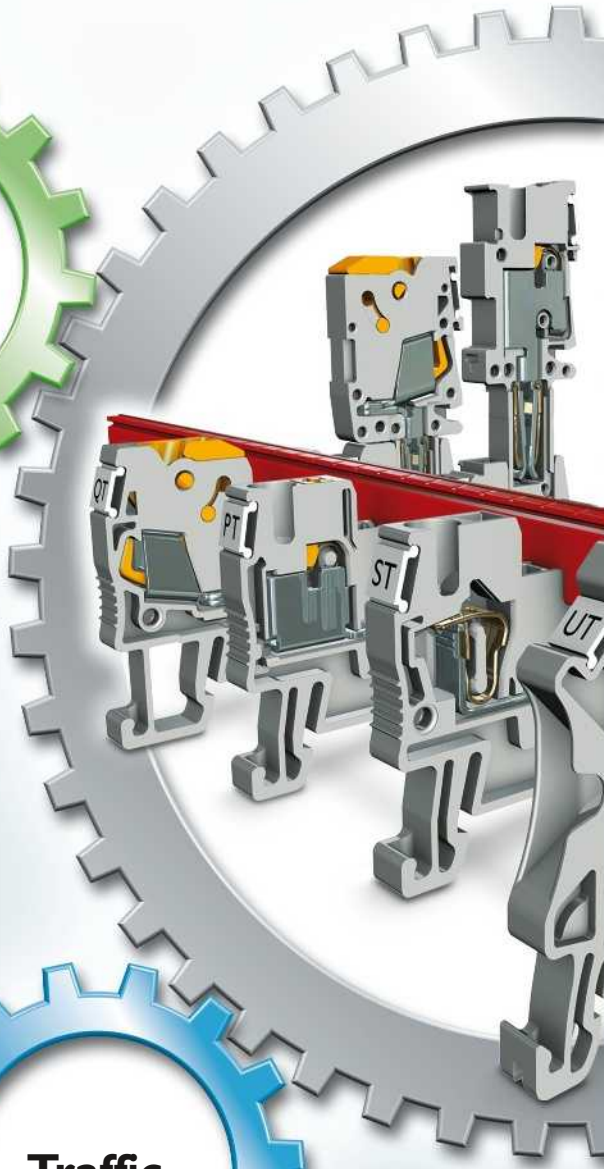
Thanks to the implementation of appropriate design measures and the use of high-grade materials, the terminal blocks from Phoenix Contact exceed the requirements imposed by standards.

The terminal blocks are subjected to tests which go beyond the basic terminal block standard, enabling them to be used in all industries, such as energy supply, transportation technology, process engineering, and in particular the chemical and petrochemical industry or shipbuilding.

The following industry-specific standard tests are performed on the terminal blocks.



Power



Lloyd's Register

BUREAU VERITAS

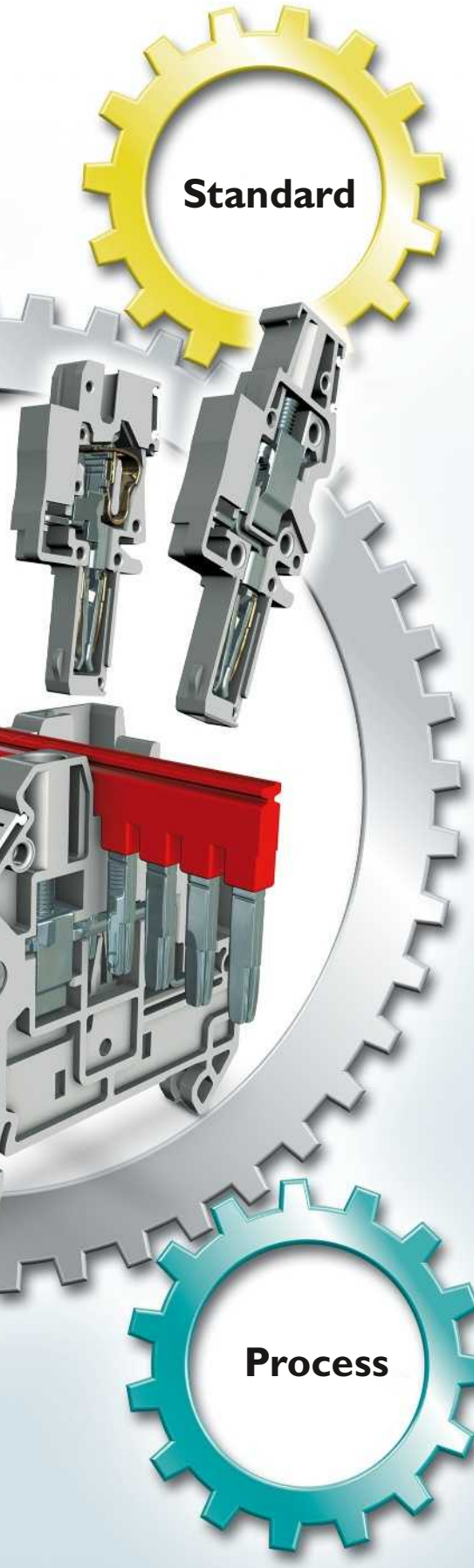
ABS

DNV

NIPPON KAIJI KYOKAI ClassNK



Traffic


Standard
Process





Terminal blocks for potentially explosive areas



Phoenix Contact offers an extensive range of Ex-approved connection technology for process engineering. As a result of the high-quality contact and insulation materials, these terminal blocks are particularly suitable for rough, potentially explosive industrial applications. The terminal blocks from Phoenix Contact which have been approved for the potentially explosive area are mainly standard terminal blocks. In addition to the usual approvals and according to standard IEC/EN 60079-7, they also have an IECEx and ATEX certificate from one of the EU-authorized testing centers (DEKRA, PTB, SEE, etc.).

It is therefore not necessary with terminal blocks from Phoenix Contact to differentiate between Ex and non-Ex terminal blocks in the warehouse. The advantages are clear.

Protection type Ex e

The terminal blocks on the website listed below meet the requirements for protection type "Increased safety" Ex e when the installation instructions are taken into consideration. The terminal blocks are therefore approved for installation in zone 2 and in zone 1 in particular, i.e., in the actual Ex area. The latter, however, only on condition that the terminal blocks are installed in connection boxes which are also approved for protection type Ex e and have at least IP54 protection.

The available Ex e approved terminal blocks can be divided into the following groups:

- Screw connection terminal blocks
- Spring-cage connection terminal blocks
- Push-in connection terminal blocks
- Fast connection terminal blocks
- Miniature terminal blocks
- Terminal blocks for specialized applications

Protection type Ex i

No special approval is required for terminal blocks in applications with protection type Ex i "intrinsic safety". In addition to Ex e-approved terminal blocks, standard terminal blocks can be used here as well. The increased requirements for clearances and creepage distances:

- Between adjacent terminal blocks
- Between terminal blocks and grounded metal parts

as well as distances through rigid insulation are specified in IEC/EN 60079-11.

More detailed information on terminal blocks in the Ex "e" and "i" areas is available in the product area on our website at:

phoenixcontact.net/products

as a download for the approved products.

Here you will find the following:

- Technical data according to IEC/EN 60079
- Approved accessories
- Important installation instructions and mounting diagrams

Marking

The explosion-protected equipment must be marked in such a way as to guarantee that it is used correctly according to its safety characteristics. The marking of equipment is described in harmonized standard IEC/EN 60079. Terminal blocks with protection type "increased safety" must be appropriately marked.

ATEX Directive 94/9/EC

Manufacturer or trademark	
Address of the manufacturer	32823 Blomberg, Germany
Number of the notified body	0344
Common marking in the EU	
Equipment group	II
Equipment category	2
Use in atmospheres	
Gas and/or	G
Dust	D

Standard marking according to EN/IEC 60079-0 for increased safety "e"

Manufacturer or trademark	
Type designation	UT 2,5...
Abbreviation of the explosion protection	Ex
Protection type	e
Equipment group	II
ID of the notified body	KEMA
Certificate No.	04ATEX2048U
Year of issue	04
Directive ID	ATEX
Processing No.	2048
ID for components	U

Worldwide explosion protection

IEC 60079

Explosion protection around the world is mainly based on the IEC 60079 series of international standards and European and American standards and directives.

In North America, the basis for this is the National Electric Code (NEC) in the USA and the Canadian Electrical Code (CEC) in Canada. Directive 94/9/EC (ATEX 100a) is of particular importance to manufacturers of devices and protective systems within CENELEC countries of the European Community and beyond. We accommodate international requirements with IECEx certificates. This means that use in protection type Ex e "increased safety" is permitted in zone 1 and 2. However, this is only under the condition that the terminal blocks are enclosed in type-tested housings which meet the requirements for protection type "e" increased safety.

Requirements for terminal blocks

The protection types "d" flameproof enclosure, "p" pressurized enclosure, and "m", "q", "o" (e\\\ncapsulation, sand filling or oil immersion) do not present any special requirements for terminal blocks. The protection principle of increased safety "e" (IEC/EN 60079-7) is generally based on increased constructional measures. The most important ones for terminal blocks are:

– Clearances and creepage distances
– Terminal blocks must be secured against loosening, fastened and designed so that the cables cannot come loose or be impermissibly damaged by the terminal point.
– The clamping pressure must not be transmitted via insulating parts.
– Terminal blocks that are intended for the connection of stranded conductors must be fitted with an intermediate elastic element.

These requirements and the technical data are checked by an independent testing institute (notified body, e.g., DEKRA, PTB, TÜV, etc.) and certified by the appropriate certificate. The following tests must be verified by the type examination:

– Type test according to IEC 60947-7-1/-2
– Proof of clearances and creepage distances and dielectric test
– Aging test:
– 14 days' storage at 95°C and 95% humidity
– A further 14 days with dry heat at the level of the TI value of the insulation material
– 24 hours' low-temperature storage at -65°C with subsequent conductor pull-out test



The Ex e-approved terminal blocks from Phoenix Contact are standard terminal blocks. These are 100% routine-tested during the manufacturing process according to IEC/EN 60079, which includes a dielectric test.

Ex e-certified products according to IEC/EN Ex are subject to compulsory marking

Note

Detailed information and data sheets with instructions for installing terminal blocks in the Ex area are available in the product area on our website at phoenixcontact.net/products.



The certificates certify that the test was carried out by the respective notified body

Connection capacity

IEC 60947-7-1/-2

This mechanical test defines the connection of commercially available conductors according to the manufacturer's information.

Terminal blocks must be designed in such a way that conductors with the documented rated cross section and the rated connecting capacity can be connected. The specifications are documented by the manufacturer in metric (mm²) and Anglo-American values (AWG).

Rated cross section means:

Value of the maximum possible cross section of all connectable conductors (stranded and single or multi-strand) that certain thermal, mechanical, and electrical requirements refer to.

Rated connecting capacity means:

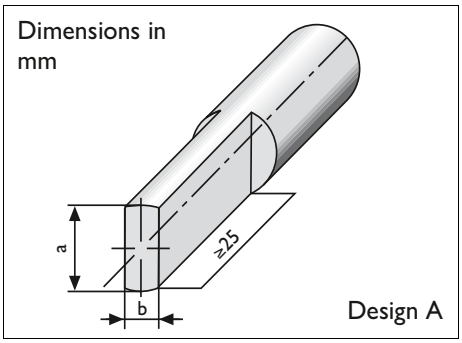
Range encompassing the largest to the smallest connectable cross section (reduced by at least 2 increments) and the number of connectable conductors for which the terminal block has been designed.

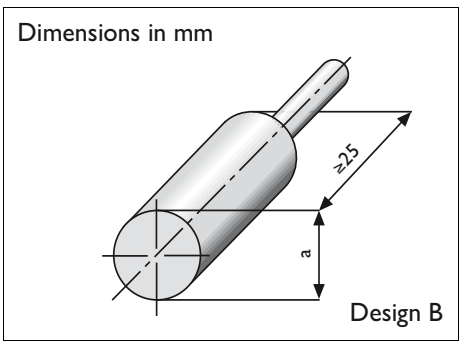
During the test, the terminal blocks are connected with the rated cross section and the rated connecting capacity.

Alternatively, the rated cross section can also be verified using gauges, see figures.

It must be possible to freely insert conductors or gauges into or connect them to the open terminal point.

Terminal blocks from Phoenix Contact offer dimensions for the defined rated cross section that are well above those required by the standard. Thanks to appropriate design measures, the rated cross sections can also be connected with a ferrule and insulating collar in all terminal blocks of the CLIPLINE complete system.





Gauges (internal cylindrical gauge) of design A and B according to IEC 60947-1

Structure and dimensions of connecting cables

Cross section	Single-strand		Multi-strand		Fine-strand		American Wire Gauge [AWG]						
	Diameter max. dimension	Number of wires	Diameter max. dimension	Number of wires (minimum number)	Diameter max. dimension	Number of wires (guide value)	Gauge No.	Solid wires*			Stranded wires*		
[mm²]							AWG	[Ø mm]	[circ. mils]	[mm²]	[Ø mm]	[circ. mils]	[mm²]
0.2	0.5	1	-	-	-	-	24	0.51	404	0.21	-	-	-
0.5	0.9	1	1.1	7	1.1	16	20	0.81	1022	0.52	0.97	1111	0.56
0.75	1.0	1	1.2	7	1.3	24	18	1.02	1620	0.82	1.16	1600	0.82
1	1.2	1	1.4	7	1.5	32	(17)	1.15	2050	1.04	-	-	-
-	-	-	-	-	-	-	16	1.29	2580	1.31	1.50	2580	1.32
1.5	1.5	1	1.7	7	1.8	30	(15)	1.45	3260	1.65	-	-	-
-	-	-	-	-	-	-	14	1.63	4110	2.08	1.85	4100	2.09
2.5	1.9	1	2.2	7	2.3	50	(13)	1.83	5180	2.63	-	-	-
-	-	-	-	-	-	-	12	2.05	6530	3.31	2.41	6500	3.32
4	2.4	1	2.7	7	2.9	56	(11)	2.30	8230	4.17	-	-	-
-	-	-	-	-	-	-	10	2.59	10380	5.26	2.95	10530	5.37
6	2.9	1	3.3	7	3.9	84	(9)	2.91	13100	6.63	-	-	-
-	-	-	-	-	-	-	8	3.26	16510	8.37	3.73	16625	8.48
10	3.7	1	4.2	7	5.1	80	(7)	3.67	20800	10.56	4.15	20820	10.55
-	-	-	-	-	-	-	6	4.12	26240	13.30	4.67	26250	13.39
16	4.6	1	5.3	7	6.3	126	(5)	4.62	33100	16.77	5.24	33100	16.77
-	-	-	-	-	-	-	4	5.19	41740	21.15	5.90	41650	21.24
25	-	-	6.6	7	7.8	196	3	5.83	52600	26.67	6.61	52630	26.67
35	-	-	7.9	7	9.2	276	2	6.54	66360	33.62	7.42	66150	33.74
-	-	-	-	-	-	-	1	7.35	83690	42.41	8.33	83706	42.69
50	-	-	9.1	19	11	396	1/0	8.25	105600	53.51	9.35	104640	53.36
70	-	-	11	19	13.1	360	2/0	9.27	133100	67.44	10.52	132300	67.47
95	-	-	12.9	19	15.1	475	3/0	10.40	167800	85.03	11.79	172500	87.98
-	-	-	-	-	-	-	4/0	11.08	211600	107.22	13.26	210400	107.30
120	-	-	14.5	37	17	608	250 kcmil		250 MCM	127	14.62	250000	127.00
150	-	-	16.2	37	19	756	300 kcmil		300 MCM	152	16.00	300000	152.00
185	-	-	18	37	21	925	350 kcmil		350 MCM	177	17.30	350000	177.00
240	-	-	20.6	61	24	1224	500 kcmil		500 MCM	253	20.66	500000	253.00
300	-	-	23.1	61	27	1525	600 kcmil		600 MCM	304	-	-	-
400	-	-	26.1	61	31	-	-	-	-	-	-	-	-

* 1000 circular mils = 1 MCM = 1 kcmil

Connecting aluminum conductors

The screw terminal blocks in the UT ... and UKH ... series are suitable for the direct connection of aluminum conductors according to the directives governing conductor pretreatment. The aluminum "yields", i.e., under pressure, aluminum yields more strongly than copper due to a low modulus of elasticity. Furthermore, after stripping the aluminum conductor, an oxide layer forms on the conductor surface due to reacting with air. This oxide layer leads to increased contact resistance between the aluminum conductor and the terminal point. The oxide layer should therefore be removed before wiring. In addition, the maximum current carrying capacity of aluminum conductors is lower than that of copper conductors. In general, if the same current carrying capacity is required of the aluminum conductor, a larger cross section than for a copper conductor must be selected. Based on the properties specified, UT ... and UKH ... screw connection terminal blocks from Phoenix Contact have been qualified through extensive tests for the use of aluminum conductors. An important quality feature of this qualification is the 1000-hour current cycling test according to IEC 61545. As part of this test, the terminal block and aluminum conductor combination is supplied with current for an hour and then switched off for an hour. The cycle is repeated 500 times. During the 1000 hours, temperature measurements are taken at the terminal points according to a defined schedule. The measured values must not exceed defined limit values. All screw connection terminal blocks from Phoenix Contact that have undergone these tests are listed in the table below.

Approved combinations of screw connection terminal blocks with aluminum conductors

Color versions of terminal block series are included in the approval.

Terminal block	Conductor cross section [mm²]														Recommended tightening torque
	2.5	4	6	10	16	25	35	50	70	95	120	150	185	250	
UT 2,5 (-PE)	RE	RE													0.6 Nm
UT 4 (-PE)	RE	RE	RE												0.8 Nm
UT 6 (-PE)	RE	RE	RE	RE											1.8 Nm
UT 10 (-PE)	RE	RE	RE	RE	RE										1.8 Nm
UT 16 (-PE)	RE	RE	RE	RE	RE	RE									3.0 Nm
UT 35 (-PE)	RE	RE	RE	RE	RE	RE	RE								3.7 Nm
UKH 25			RE	RE	RE	RE									4.5 Nm
UKH 50							RE	SE							8 Nm
UKH 70								SE	SE						10 Nm
UKH 95									SE	SE					20 Nm
UKH 150											SE	SE			30 Nm
UKH 240													SE	SE	30 Nm

RE	Round, single-strand, class 1; approved
SE	Sector-shaped, single-strand, class 1 α = 90°; approved





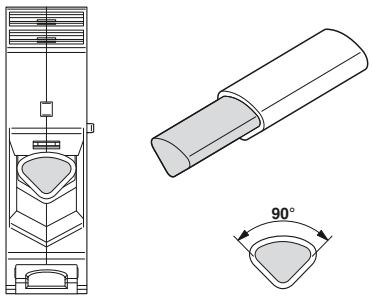
Single-strand aluminum conductors in round (RE) form up to 35 mm² with the relevant approved cross section can be connected directly to the above-listed feed-through terminal blocks with screw connection. When connecting aluminum conductors that are 50 mm² and above, only sector-shaped, single-strand conductors (SE) may be used and they must be inserted as illustrated.

When directly connecting aluminum conductors to UT ... and UKH ... feed-through terminal blocks from Phoenix Contact, the following guidelines on conductor pretreatment must be followed:

- The oxide layer must be removed from the stripped end of the aluminum conductor using a blade (suitable knife, e.g., WIREFOX-D 13 stripping tool).
- It must immediately then be dipped in non-acid and non-alkali, i.e., neutral, Vaseline.
- The installation location must be kept free from humidity or aggressive atmospheres.
- When using an aluminum conductor, the screw in the clamping part of the screw terminal block must be tightened with the recommended tightening torque of the respective terminal block; there is no need to tighten the terminal point. (For torque screwdrivers, see Catalog 5)
- The pretreatment must be repeated when connecting the conductors anew.

Sector-shaped aluminum conductors should be inserted in the terminal point of UKH ... terminal blocks as illustrated. The rounded section of the conductor should be at the top so that the right-angled area of the aluminum conductor is positioned on the prism-shaped base of the terminal sleeve.

Accessories, e.g., bi-metal cable lugs (Al/Cu pressure cable lugs) can be used to connect stranded aluminum conductors. See phoenixcontact.net/products



Example for UKH ... – connecting sector-shaped, single-strand aluminum conductors

Mechanical strength

IEC 60947-7-1/-2

The mechanical stability of the terminal point is checked in a practical test. For this purpose, the terminal points of the terminal blocks must be repeatedly connected without loss of quality. Solid conductors with the rated cross section are therefore used to connect and disconnect the terminal block five times over with the torque specified in the manufacturer's information. This is done on the middle terminal block of a block of five. Before and after the test, a voltage-drop test must be passed. The terminal point must withstand reconnection without recognizable damage, and the voltage drop must not exceed 3.2 mV or 1.5 times the initially measured value before or after the test. Terminal blocks from Phoenix Contact are suitable for repeated connection without any recognizable loss of quality. The extent of possible connections and disconnections can reach up to 5000 cycles, depending on the connection technology.

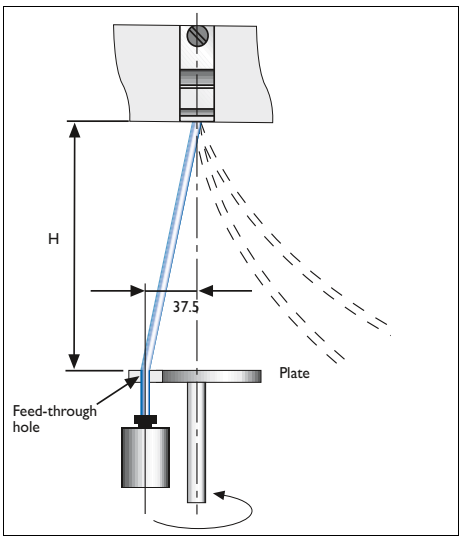
Bending test - flexion test

IEC 60947-7-1/-2

Correctly wired terminal blocks must offer a high degree of mechanical safety. This includes the reliable clamping of the conductor. Therefore, tests are performed with solid and stranded wires with the minimum cross section, with the rated cross section, and with the maximum cross section. A vertically fixed terminal block is connected to a conductor. At the end of the conductor, a test weight corresponding to the cross section is attached. The conductor is fed through a central 37.5 mm aperture in a rotating disc and turned about its own axis 135 times. This procedure must not damage the clamping area on the conductor. Afterwards, the contact must pass a conductor pull-out test. Terminal blocks from Phoenix Contact are designed to ensure that the conductor makes contact in the clamping area gently. This prevents damage to the conductor and contact point,

Cross section [mm²]	AWG	Spacing H [mm]	Load [kg]
0.2	24	260	0.3
to	to	to	to
4	12	280	0.9
to	to	to	to
240	500 kcmil	464	20.0

which still have the same properties even after repeated clamping.



Test equipment according to the standard

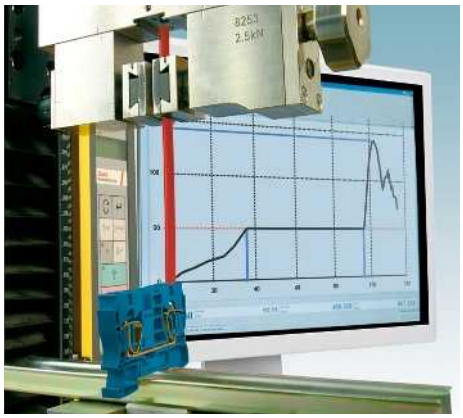
Conductor pull-out test

IEC 60947-7-1/-2

In practice, tensile forces can affect the terminal point during wiring or operation. Therefore, terminal blocks must be wired correctly to offer a high degree of mechanical safety. To test the tensile load capacity of a terminal point, the terminal point must withstand a given tensile force based on the cross section for over 60 seconds. This test is performed after the bending test. Performing these two tests directly one after the other intensifies the requirements. The tensile force exerts stress on the conductor at the terminal point. The conductor must be held without causing damage. The test results for terminal blocks from Phoenix Contact are up to 150% above the required minimum values.

Conductor pull-out forces according to IEC 60999/EN 60999/VDE 0609-1, Table III (up to 35 mm²)

Conductor cross section		Tensile force
[mm²]	AWG/kcmil	[N]
0.2 –	24 22	10 20
0.5 0.75	20 18	15 30
1.0 1.5	– 16	35 40
2.5 4.0	14 12	50 60
6.0 10	10 8	80 90
16 25	6 4	100 135
– 35	3 2	156 190
– 50	1 0	236 236
70 95	00 000	285 351
– 120	0000 250	427 427
150 185	300 350	427 503
– 240	400 500	503 578
300	600	578



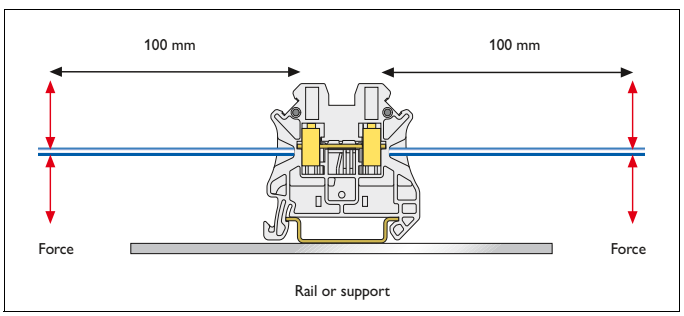
Absorption of tensile force on a 10 mm² spring-cage terminal block

Tight fit of terminal block

IEC 60947-7-1/-2

Besides the reliable contacting of the conductor, the terminal block itself must be able to withstand forces without coming loose from its support. Furthermore, no unacceptable damage may occur. To test whether the fit is tight, a terminal block is mounted on a standard DIN rail according to the manufacturer's information. Then steel rods with a length of 150 mm are clamped into the terminal points. Tensile and pressure forces based on the cross section are exerted on the terminal points and the latching of the terminal block with a lever distance of 100 mm. The terminal block must not come loose or break off the rail. The structural design of the terminal blocks from Phoenix Contact ensures a reliable tight fit on different DIN rail systems.

Cross section [mm²]	Cross section AWG	Force [N]	Diameter of the steel rod [mm]
0.75	18	1	1.0
1		1	1.0
1.5	16	1	1.0
2.5	14	1	1.0
4	12	1	1.0
6	10	5	2.8
10	8	5	2.8
35	2	10	5.7
50	0	10	5.7
240	500 kcmil	20	20.5



DIN rails

DIN rails/protective conductor busbars
Extract from IEC 60947-7-2/EN 60947-7-2/DIN EN 60947-7-2/VDE 0611-3

Phoenix Contact type	Rail profile	Material	Short-circuit current rating ≙ E CU conductor [mm²]*	Short-time withstand current 1 s [kA]	Max. permissible thermal nominal current for PEN function [A]
NS 15 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15 PERF 2000MM	DIN rail, acc. to EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15-AL PERF 2000MM	DIN rail, dimensions acc. to EN 60715 – 15 x 5.5	Aluminum	16	1.92	76
NS 32 UNPERF 2000MM	G-profile rail, acc. to EN 60715 – G 32	Steel	35	4.2	* *
NS 32 PERF 2000MM	G-profile rail, acc. to EN 60715 – G 32	Steel	35	4.2	* *
NS 32-CU/35 QMM UNPERF 2000MM	G-profile rail, dimensions acc. to EN 60715 – G 32	Copper	120	14.4	269
NS 32-CU/120 QMM UNPERF 2000MM	G-profile rail, similar to EN 60715 – G 32	Copper	150	18.0	309
NS 35/7,5 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 PERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 V2A UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Copper	50	6.0	150
NS 35/7,5-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Aluminum	35	4.2	125
NS 35/15-2,3 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 15	Steel	50	6.0	* *
NS 35/15 UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Copper	95	11.4	232
NS 35/15-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Aluminum	70	8.4	192

* Cross sections calculated according to IEC 60439-1/EN 60439-1/DIN EN 60439-1/VDE 0660-500.
* * Protective conductor busbars made of steel may not be used for the PEN function.

Clearances and creepage distances

IEC 60947-7-1/UL 1059

Carrying out a dimensional check of clearances and creepage distances confirms that electrical insulation properties are adequate with respect to the following:

– Application
– Expected pollution
– Ambient conditions

The minimum distances are defined in IEC 60947-1 and UL 1059.

The distance is verified by measuring between two neighboring terminal blocks and the support, taking into account the shortest distances.

For the clearance, this means:

It is the shortest distance in the air between two conductive parts. The deciding factors for rating the minimum clearance values are the rated surge voltage and the surge voltage category of the terminal block.

For the creepage distances, this means:

It is the shortest distance along the insulating body between two conductive parts. The deciding factors for determining the minimum creepage distance are the rated voltage, the pollution degree, and the insulation material group of the terminal block.

The minimum values can be taken from the tables of the relevant standards.

IEC 60947-7-1

Phoenix Contact terminal blocks are designed with surge voltage category III and pollution degree 3 with the required distances.

UL 1059

Phoenix Contact terminal blocks are generally designed for a nominal voltage of 600 V in Use Group C.

Detailed information can be found in the data sheets or the catalog documentation.

UL Use Group	Definition	Max. voltage [V]
A	Operating elements, consoles, and similar	150 300 600
B	Conventional devices, including office and electronic data processing equipment and similar	150 300 600
C	Industrial applications, without restrictions	150 300 600
D	Industrial applications, equipment with limited rating	300 600

Insulation coordination for electrical equipment within low-voltage systems

Dimensioning of clearances and creepage distances according to DIN EN 60664-1/ VDE 0110-1.

This part of the standard, based on IEC 60664, contains specifications for the insulation coordination of equipment in low-voltage systems. This part is applicable for equipment to be used at an altitude of up to 2000 m above sea level. This basic safety standard is primarily aimed at technical committees, and if suitable product directives are not available for equipment, it can be applied at the user's own responsibility. International and European product standards cited in this catalog contain specifications for insulation coordination according to DIN EN 60664/VDE 0110-1.

Insulation coordination

Insulation coordination includes the selection of electrical insulation properties for equipment as regards intended applications and ambient conditions. Separate requirements must be applied for clearances and creepage distances and for rigid insulation. The surge voltages to be expected, characteristics of surge protective devices, and pollution at the intended site must be considered when dimensioning clearances. Clearances are then dimensioned according to the external or internal surge voltages to be expected. Different surge voltages, grouped into categories, i.e., a value that specifies a rated impulse voltage, determine the required clearance directly. These surge voltage categories (I to IV) are mainly based on a statistical study, and are used for equipment that is directly supplied by low-voltage networks. Definitions of the individual categories are provided below as an extract of DIN EN 60664/VDE 0110-1.

The clearances can be calculated according to Table 2 (minimum clearances) depending on the homogeneity level of the field between the electrodes (case A – non-homogeneous field, case B – homogeneous field).

Clearances according to case A are capable of withstanding the assigned impulse voltages under all conditions. Equipment that is dimensioned according to case A can therefore be used without any further testing. Clearance values according to case B are based on ideal conditions. Clearance values which fall between case A and case B must be proven by means of an impulse voltage test.

The voltages present, the properties of insulation materials, the pollution to be expected, and safety measures against pollution are considered when dimensioning creepage distances.

The effect of pollution is considered when determining the clearances and creepage distances according to three intensity levels (pollution degree 1 to 3).

The creepage distance is based on the rated voltage that is derived from the working voltage or nominal mains voltage. The minimum creepage distances are assigned to the rated voltages according to the pollution degree in Table 4.

If the respective product descriptions do not contain any additional specifications, the products presented in this catalog are dimensioned for surge voltage category III and pollution degree 3 according to this regulation (DIN EN 60664-1/VDE 0110-1).

Surge voltage categories I to IV

– Equipment in **surge voltage category IV** can be used at the terminal point of the installation.
  Note: examples of such equipment include electricity meters and primary devices for overcurrent protection.
– Equipment in **surge voltage category III** can be used in fixed installations and is intended for such cases where there are special requirements for the reliability and availability of the equipment.
  Note: examples of such equipment include switches in fixed installations and equipment for industrial use with permanent connection to the fixed installation.
– Equipment in **surge voltage category II** is power-consuming equipment that is supplied by the fixed installation.
  Note: examples of such equipment include household appliances, portable tools, other domestic appliances, and similar devices.
– Equipment in **surge voltage category I** can be connected to circuits where measures have been taken to limit the surge voltages to a suitable lower value.

Pollution degrees 1 to 4

The following four pollution degrees have been defined for the micro-environment in order to determine clearances and creepage distances:

– **Pollution degree 1**
  No pollution or only dry, non-conductive pollution occurs. The pollution has no effect.
– **Pollution degree 2**
  Only non-conductive pollution occurs. However, temporary conductivity due to condensation must occasionally be taken into consideration.
– **Pollution degree 3**
  Conductive pollution occurs or dry, non-conductive pollution which becomes conductive, since condensation is to be expected.
– **Pollution degree 4**
  Permanent conductivity occurs, caused by conductive dust, rain or moisture.

Insulation material

DIN EN 60664/VDE 0110-1 classifies insulation materials into four groups depending on their CTI values that were obtained using solution A as per IEC 60112. These are:

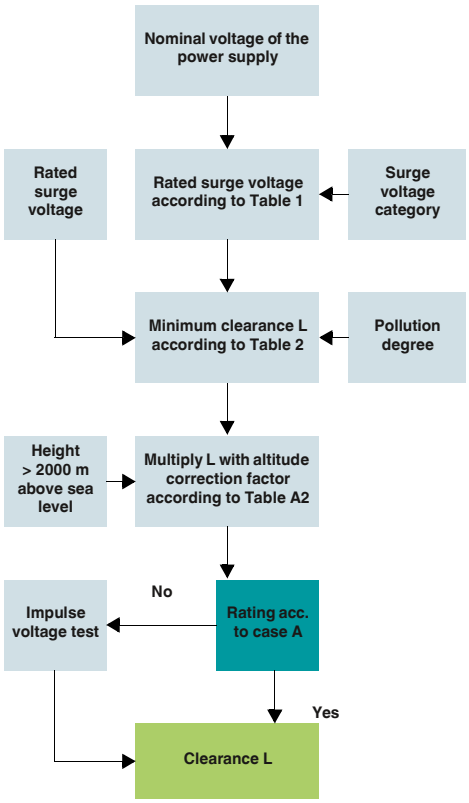
Insulation material group I: $600 \leq CTI$
Insulation material group II: $400 \leq CTI < 600$
Insulation material group IIIa: $175 \leq CTI < 400$
Insulation material group IIIb: $100 \leq CTI < 175$

The comparative tracking index of the creepage distance formation must have been determined based on suitable samples using test solution A as specified in DIN IEC 60112.

The proof tracking index of the creepage distance formation (PTI) is used as proof of the creepage current properties of insulation materials.

Dimensioning of clearances

Schematic for determining clearances



Rated surge voltages for equipment that is directly supplied by the low-voltage network (extract from Table 1)

Nominal voltage of the power supply system [1] (mains) acc. to IEC 60038 [3]		Conductor-neutral conductor voltage derived from the total nominal AC voltage or nominal DC voltage	Rated surge voltage [2] [V]			
Three-phase [V]	Single-phase [V]	[V]	Surge voltage category [4]			
			I	II	III	IV
	120 to 240	50	330	500	800	1500
		100	500	800	1500	2500
		150	800	1500	2500	4000
230/400 277/480		300	1500	2500	4000	6000
400/690		600	2500	4000	6000	8000
1000		1000	4000	6000	8000	12000

[1] Refer to Appendix B for application in existing deviating low-voltage networks and their nominal voltages.

[2] Equipment with this rated surge voltage may be used in systems according to IEC 60364-4-443.

[3] The slash, i.e., /, indicates a three-phase four-conductor system. The lower value is the conductor-to-neutral conductor voltage, whereas the higher value is the conductor-to-conductor voltage. When only one value is specified, it refers to a three-phase three-conductor system, and indicates the conductor-to-conductor voltage.

[4] Refer to 2.2.2.1.1 for an explanation of surge voltage categories.

Minimum clearances for surge voltages (extract from Table 2)

Required rated impulse voltage [1] [5]	Condition A Non-homogeneous field (refer to 3.15)			Condition B Homogeneous field (refer to 3.14)		
	Pollution degree [6]			Pollution degree [6]		
	1	2	3	1	2	3
[kV]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
0.33 [2]	0.01	0.2 [3] [4]	0.8 [4]	0.01	0.2 [3] [4]	0.8 [4]
0.40	0.02			0.02		
0.5 [2]	0.04			0.04		
0.60	0.06			0.06		
0.80 [2]	0.10			0.10		
1.0	0.15			0.15		
1.2	0.25	0.25		0.2		
1.5 [2]	0.5	0.5		0.3	0.3	
2.0	1.0	1.0	1.0	0.45	0.45	
2.5 [2]	1.5	1.5	1.5	0.6	0.6	
3.0	2.0	2.0	2.0	0.8	0.8	
4.0 [2]	3	3	3	1.2	1.2	1.2
5.0	4	4	4	1.5	1.5	1.5
6.0 [2]	5.5	5.5	5.5	2	2	2
8.0 [2]	8	8	8	3	3	3
10	11	11	11	3.5	3.5	3.5
12 [2]	14	14	14	4.5	4.5	4.5
15	18	18	18	5.5	5.5	5.5
20	25	25	25	8	8	8
25	33	33	33	10	10	10
30	40	40	40	12.5	12.5	12.5
40	60	60	60	17	17	17
50	75	75	75	22	22	22
60	90	90	90	27	27	27
80	130	130	130	35	35	35
100	170	170	170	45	45	45

[1] This voltage is:
– For function insulation: the highest surge voltage expected for the clearance
– For basic insulation, if influenced directly or considerably by surge voltages from the low-voltage network: the rated surge voltage of the equipment
– For a different basic insulation: the highest impulse voltage possible in the circuit

[2] Preferred values

[3] For PCBs, the values of pollution degree 1 are applicable, except that no deviation below the value of 0.04 mm is permitted, as specified in Table 4.

[4] Minimum clearances for pollution degrees 2 and 3 are based on the corresponding creepage distances. This resistance is reduced due to the effects of humidity.

[5] Values can be interpolated for parts or circuits within equipment that are subjected to impulse voltages.

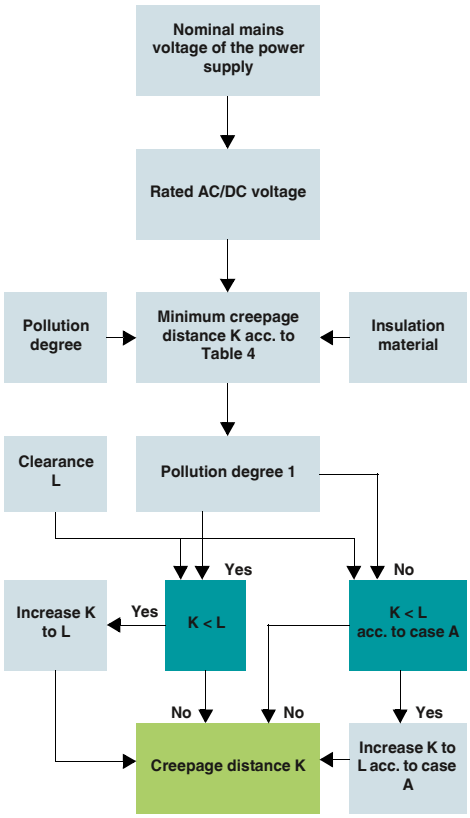
[6] The distances for pollution degree 4 are equal to those for pollution degree 3, except that the minimum clearance is 1.6 mm.

Altitude correction factors (extract from Table A.2)

Height in m	Normal air pressure in kPa	Multiplication factor for gaps
2000	80.0	1.00
3000	70.0	1.14
4000	62.0	1.29
5000	54.0	1.48
6000	47.0	1.70
7000	41.0	1.95
8000	35.5	2.25
9000	30.5	2.62
10000	26.5	3.02
15000	12.0	6.67
20000	5.5	14.50

Dimensioning of creepage distances

Schematic for determining creepage distances



Single-phase three or two-conductor AC or DC voltage systems (extract from Table 3a)

Nominal voltage of the power supply system (mains) *)	Voltages for Table 4	
	For conductor-conductor insulation 1) All systems	For conductor-ground insulation 1) Three-conductor systems center point grounded
[V]	[V]	[V]
12.5	12.5	–
24 25	25	–
30	32	–
42 48 50 **)	50	–
60	63	–
30-60	63	32
100 **)	100	–
110 120	125	–
150 **)	160	–
220	250	–
110-220 220-240	250	125
300 **)	320	–
220-440	500	250
600 **)	630	–
480-960	1000	500
1000 **)	1000	–

1) Conductor-ground insulation levels for non-grounded systems or those grounded through impedance correspond to conductor-conductor insulation levels as the operating voltage of every conductor to ground can, in practice, reach the conductor-conductor voltage. This is due to the fact that the actual voltage to ground is determined by the insulation resistance and the capacitive reactance of each conductor to ground. A low (but permissible) insulation resistance of one conductor can thereby practically ground it and increase the other two to conductor-conductor voltage to ground.

*) Refer to 2.2.1 for correlation with the rated voltage.

**) These values correspond to the values in Table 1.

Three-phase four or three-conductor AC voltage systems (extract from Table 3b)

Nominal voltage of the power supply system (mains) *)	Voltages for Table 4		
	For conductor-conductor insulation All systems	Insulation for conductor-ground	
		Three-phase four-conductor systems with grounded neutral conductor 2)	Three-phase three-conductor systems non-grounded 1) or conductor grounded
[V]	[V]	[V]	[V]
60	63	32	63
110/120/127	125	80	125
150 **)	160	–	160
208	200	125	200
220/230/240	250	160	250
300 **)	320	–	320
380/400/415	400	250	400
440	500	250	400
480/500	500	320	500
575	630	400	630
600 **)	630	–	630
660/690	630	400	630
720/830	800	500	800
960	1000	630	1000
1000 **)	1000	–	1000

1) Conductor-ground insulation levels for non-grounded systems or those grounded through impedance correspond to conductor-conductor insulation levels as the operating voltage of every conductor to ground can, in practice, reach the conductor-conductor voltage. This is due to the fact that the actual voltage to ground is determined by the insulation resistance and the capacitive reactance of each conductor to ground. A low (but permissible) insulation resistance of one conductor can thereby practically ground it and increase the other two to conductor-conductor voltage to ground.

2) For equipment designed for use in three-phase four-conductor and three-phase three-conductor systems, grounded as well as non-grounded, only the values for three-conductor systems may be used.

*) Refer to 2.2.1 for correlation with the rated voltage.

**) These values correspond to the values in Table 1.

Creepage distances to prevent failures occurring due to creepage (extract from Table 4)

Voltage 1) r.m.s. value	Minimum creepage distances								
	Printed circuits								
	Pollution degree			Pollution degree					
	1	2	1	2			3		
	All insulation material groups	All insulation material groups except IIIb	All insulation material groups	Insulation material group			Insulation material group		
				I	II	III	I	II	III 2)
[V]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
10	0.025	0.04	0.08	0.40	0.40	0.40	**1.00**	**1.00**	**1.00**
12.5	0.025	0.04	0.09	0.42	0.42	0.42	**1.05**	**1.05**	**1.05**
16	0.025	0.04	0.10	0.45	0.45	0.45	**1.10**	**1.10**	**1.10**
20	0.025	0.04	0.11	0.48	0.48	0.48	**1.20**	**1.20**	**1.20**
25	0.025	0.04	0.125	0.50	0.50	0.50	**1.25**	**1.25**	**1.25**
32	0.025	0.04	0.14	0.53	0.53	0.53	**1.30**	**1.30**	**1.30**
40	0.025	0.04	0.16	0.56	0.80	1.10	**1.4**	**1.6**	**1.8**
50	0.025	0.04	0.18	0.60	0.85	1.20	**1.5**	**1.7**	**1.9**
63	0.040	0.63	0.20	0.63	0.90	1.25	**1.6**	**1.8**	**2.0**
80	0.063	0.10	0.22	0.67	0.95	1.3	**1.7**	**1.9**	**2.1**
100	0.10	0.16	0.25	0.71	1.00	1.4	**1.8**	**2.0**	**2.2**
125	0.16	0.25	0.28	0.75	1.05	1.5	**1.9**	**2.1**	**2.4**
160	0.25	0.40	0.32	0.80	1.1	1.6	**2.0**	**2.2**	**2.5**
200	0.40	0.63	0.42	1.00	1.4	2.0	**2.5**	**2.8**	**3.2**
250	0.56	1.00	0.56	1.25	1.8	2.5	**3.2**	**3.6**	**4.0**
320	0.75	1.60	0.75	1.60	2.2	3.2	**4.0**	**4.5**	**5.0**
400	1.00	2.00	1.00	2.00	2.8	4.0	**5.0**	**5.6**	**6.3**
500	1.30	2.50	1.30	2.50	3.6	5.0	**6.3**	**7.1**	**8.0**
630	1.80	3.20	1.8	3.2	4.5	6.3	**8.0**	**9**	**10.0**
800	2.40	4.00	2.4	4.0	5.6	8.0	**10.0**	**11**	**12.5**
1000	3.20	5.00	3.2	5.0	7.1	10	**12.5**	**14**	**16.0**
1250			4.2	6.3	9	12.5	**16**	**18**	**20**
1600			5.6	8	11	16	**20**	**22**	**25**
2000			7.5	10	14	20	**25**	**28**	**32**
2500			10	12.5	18	25	**32**	**36**	**40**
3200			12.5	16	22	32	**40**	**45**	**50**
4000			16	20	28	40	**50**	**56**	**63**
5000			20	25	36	50	**63**	**71**	**80**
6300			25	32	45	63	**80**	**90**	**100**
8000			32	40	56	80	**100**	**110**	**125**
10000			40	50	71	100	**125**	**140**	**160**

1) This voltage is:
a) For function insulation: the working voltage
b) For basic and additional insulation of a circuit supplied directly by the low-voltage network: either the voltage selected from Table 3a or 3b on the basis of the rated voltage of the equipment or the rated insulation voltage;
c) For basic and additional insulation of systems, equipment, and internal circuits which are not supplied directly from the mains: the highest r.m.s. value of the voltage that, within the bounds of the rated data, can occur in the system, the equipment or the internal circuit, when supplied with rated voltage and in the case of the most unfavorable combination of operating conditions.

2) With pollution degree 3, insulation material group IIIb is not recommended for use if voltages are greater than 630 V.

Dielectric test

IEC 60947-7-1/-2/UL 1059

This test is an electrical test to prove that there are sufficient creepage distances.

To test that the distances between the potentials of two neighboring terminal blocks and between a terminal block and the DIN rail are sufficient, an appropriate test voltage is applied.

Rated insulation voltage **(U_i)**

The r.m.s. or DC voltage value that is permanently acceptable as a maximum when correctly used.

The test voltage must be maintained for over 60 seconds. The assignment illustrated in the table is to be used as the basis for this.

Rated insulation voltage U_i [V]	Test voltage (effective) [V]
$U_i \leq 60$	1000
$60 < U_i \leq 300$	1500
$300 < U_i \leq 690$	1890
$690 < U_i \leq 800$	2000
$800 < U_i \leq 1000$	2200
$1000 < U_i \leq 1500$	

IEC 60947-7-1/-2

No sparkover or disruptive discharge may occur during testing. Creepage currents must stay below 100 mA.

UL 1059

Test voltage = 1000 V + 2 x rated insulation voltage U_i

Terminal blocks from Phoenix Contact with a rated insulation voltage of 800 V consistently pass the dielectric test with 2000 V~.

Surge voltage test

IEC 60947-7-1/-2

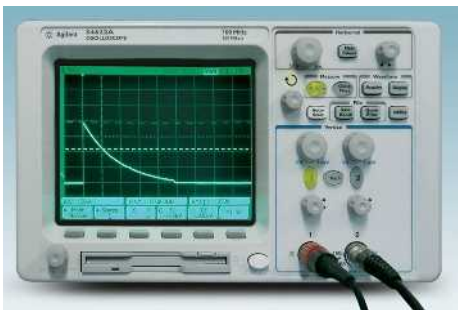
Proof of sufficiently large clearances between two neighboring potentials is provided by means of the surge voltage test.

The test is carried out with the surge voltage five times at intervals of at least 1 s for all polarities in relation to the rated insulation voltage.

The distance between neighboring terminal blocks or between the terminal block and the rail is examined.

There must be no unintentional sparkovers during the test.

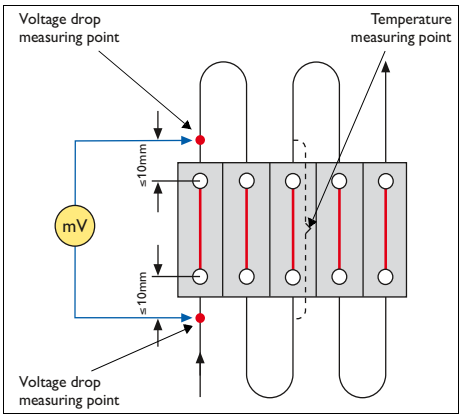
Rated surge voltages for Phoenix Contact terminal blocks are between 6 and 8 kV. Operationally reliable use of the documented operating voltages of the terminal blocks is thereby effectively confirmed.

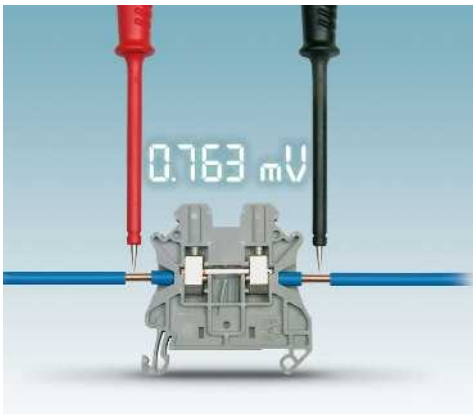


The oscilloscope shows the time curve for the surge voltage pulse

Voltage-drop test

IEC 60947-7-1/-2





Voltage pick-off on a screw terminal block

In every terminal point of a terminal block, one or more conductors are connected - depending on the connection technology. Current transfer is strongly affected by the electrical resistance between the conductor and the current bar. High-quality contacts create a gas-tight connection. This is the only way to ensure a permanently reliable connection. This electrical test therefore determines the voltage drop on a terminal block (two terminal points). Conclusions regarding the contact resistance and the contact quality can therefore be made.

The terminal blocks are wired with the rated cross section. For measuring purposes, the terminal blocks are charged with a direct test current corresponding to 0.1 times the current carrying capacity of the rated cross section. The voltage drop is picked off at a distance ≤ 10 mm from the middle of the terminal point (see diagram).

At a room temperature of ~20°C, the voltage drop must not exceed 3.2 mV per terminal block before or after the test, nor must it exceed 1.5 times the value measured at the start of the test.

Terminal blocks from Phoenix Contact are up to 60% below the limit values required by standards.

Rated cross section in [mm²]	Current carrying capacity [A]	Rated cross section AWG	Current carrying capacity [A]
0.2	4	24	4
0.5	6	20	8
0.75	9	18	10
1	13.5	-	-
1.5	17.5	16	16
2.5	24	14	22
4	32	12	29
6	41	10	38
10	57	8	50
16	76	6	67
35	125	2	121
50	150	0	162
95	232	0000	217
150	309	00000	309
240	415	500 MCM	415

Temperature-rise test

IEC 60947-7-1/-2/UL 1059

The rise in temperature of a terminal block must be kept to an absolute minimum.

The contact resistance must therefore be as low as possible. This test is used to document the rise in temperature that occurs at room temperature during exposure to a test current.

IEC 60947-7-1/-2

Five terminal blocks are horizontally mounted on a rail and connected in series using conductor loops with the rated cross section, each measuring 1 or 2 m in length. The terminal blocks are exposed to a test current that is as high as the current carrying capacity of the rated cross section. The rise in temperature on the middle terminal block is documented (see figure: voltage-drop test, page 612).

Assuming a room temperature of ~20°C, a maximum rise in temperature of 45 K is permitted in the terminal block. Additionally, a voltage-drop test must be performed on the terminal block as a final step.

UL 1059

The process basically corresponds to the IEC test, only the conductor lengths differ. Three terminal blocks are horizontally mounted adjacent to one another. The measurement is taken at an ambient temperature of 25°C, whereby a maximum rise in temperature of 30 K (measured as close as possible to the terminal point) is permitted. Due to the high-quality contact materials used in terminal blocks from Phoenix Contact, all connection technologies offer lower heating values than required by the specified standards.

Current carrying capacity

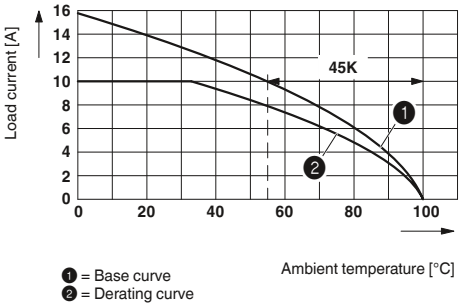
Standard IEC 60947-7-1/ EN 60947-7-1/DIN VDE 0611-1 specifies the test currents for the individual conductor cross sections listed in the adjacent table. The corresponding currents are listed with the connection data for the individual terminal blocks. The type tests of terminal blocks are based on this data.

Test currents according to IEC 60947-7-1/EN 60947-7-1, Table 5

Rated cross section	[mm²]	0.2	0.5	0.75	1.0	1.5	2.5	4	6	10	16
Test current	[A]	4	6	9	13.5	17.5	24	32	41	57	76

Rated cross section	[mm²]	25	35	50	70	95	120	150	185	240	300
Test current	[A]	101	125	150	192	232	269	309	353	415	520

Base and derating curve, test setup, ambient temperature



❶ = Base curve
❷ = Derating curve

To determine the current carrying capacity of plug-in terminal blocks, arrangements with a variety of positions are selected, which are electrically connected in series using conductors with the same cross section. For the practical determination of the derating curves, the current carrying capacity of the plug-in terminal blocks is determined according to DIN EN 60512-5-1. Here, after applying various currents (e.g., 10 A, 17.5 A, 24 A, and 32 A) and setting the temperature balance, the maximum temperature increase that occurs on the test objects is measured.

When the upper limiting temperature of the insulation material – here, always assumed to be 100°C – is taken into account, these values yield a current-carrying capacity curve dependent on the ambient temperature: the "base curve".

An adjusted capacity curve – the "derating curve" – is generated according to DIN EN 60512-5-2. According to this standard, the permissible load current is 0.8 times the respective base current. The derating factor "...takes into account manufacturing tolerances in the contact system of connectors as well as uncertainties in the temperature measurement and the measuring arrangement". For the majority of items in this catalog, derating curves are given for 2, 5, 10, and 15-pos. arrangements.

SCCR – short-circuit current rating

SCCR – short-circuit current rating

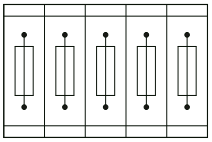
As of April 2006, the NEC (National Electrical Code) has required the short-circuit current rating of industrial controllers to be specified. This SCCR (short-circuit current rating) can be calculated with the help of UL 508A and must be specified for all main circuits and for the supply of the control voltage on the rating plate of all industrial switchgear in the USA. Standard values for non-specified components are listed in UL 508A – Table SB 4.1. A value of 10 kA is assumed for terminal blocks. Phoenix Contact offers a wide range of products with considerably higher SCCR values than this. The terminal blocks in the CLIPLINE complete system are all documented as having SCCR values of 100 kA.

The SCCR values for terminal blocks from Phoenix Contact are listed in detail in UL file number E60425. The UL file is stored in and can be retrieved from the UL database via the following link:

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.html

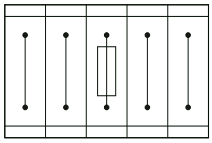
Technical notes - fuse terminal blocks

Fuse terminal blocks in compound arrangement



Block consisting of five fuse terminal blocks

Arrangement with individual fuse terminal block



Block consisting of one fuse terminal block and four feed-through terminal blocks

Attention:
The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse-links. The thermal conditions in closed fuse holders should be checked according to the application and installation.

Higher ambient temperatures are an additional strain on fuse-links. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.

Max. power dissipation at 23 °C (according to DIN EN 60947-7-3: 2009-4)
When selecting cartridge fuse-links, please ensure that the maximum power dissipation specified below is not exceeded. Details can be obtained from the fuse manufacturers.

5 x 20 mm cartridge fuse-links, according to DIN EN 60947-7-3:2009-4
Technical data on the power dissipation of further fuse terminal block types can be found at phoenixcontact.net/products
1) The rated operating voltage is determined by the selected cartridge fuse-link.

Terminal block or connector	U 1) [V]	Overload protection		Short-circuit protection only		$I_{max.}$ [A]
		Individual	Compound	Individual	Compound	
P-FU 5 x 20-5	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
P-FU 5 x 20	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
PT 4-HESI (5 x 20)	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UT 4-HESI (5 x 20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
ST 4-HESI (5 x 20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
ZFK 6-DREHSI (5 x 20)	800	4.0 W	2.5 W	4.0 W	4.0 W	6.3
QTC 2,5-HESI (5 x 20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 10-DREHSI	800	4.0 W	2.5 W	4.0 W	4.0 W	10
USIG with ST-SI	500	2.5 W	2.5 W	4.0 W	4.0 W	6.3
UK-SI	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 5-HESI	800	2.5 W	2.5 W	4.0 W	2.5 W	6.3
UKK 5-HESI (5 x 20)	400	2.5 W	1.6 W	4.0 W	2.5 W	6.3
UK 4-TG with ST-SI-UK 4	250	1.6 W	1.6 W	4.0 W	1.6 W	6.3

6.3 x 32 mm cartridge fuse-links according to DIN EN 60947-7-3:2009-4
Technical data on the power dissipation of further fuse terminal block types can be found at phoenixcontact.net/products

UT 6-HESI (6,3 x 32)	630	2.5 W	2.5 W	4.0 W	2.5 W	10
ST 4-HESI (6,3 x 32)	500	2.5 W	2.5 W	4.0 W	2.5 W	10
ZFK 6-DREHSI (6,3 x 32)	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 10-DREHSI	400	2.5 W	2.5 W	4.0 W	2.5 W	10
USIG with ST1-SI	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 6,3-HESI	500	2.5 W	1.6 W	4.0 W	2.5 W	10
UKK 5-HESI (6,3 x 32)	400	2.5 W	1.6 W	4.0 W	2.5 W	10

Short-time withstand current

IEC 60947-7-1/-2

Terminal blocks must, in practice, also be capable of resisting short-circuit currents until the relevant safety equipment cuts off the current without sustaining any damage. This can take up to several tenths of a second.

For testing purposes, a terminal block is mounted on the support and wired to a conductor with the rated cross section.

Ground terminals are subjected in three stages of one second each to a current density of 120 A/mm² with the rated cross section.

The requirements are met if, after the test, the individual parts are undamaged and they can still be used.

Before and after the test, the terminal block must pass the voltage-drop test. The voltage drop before and after the test must not exceed 3.2 mV per terminal block nor must it exceed 1.5 times the value measured before the test.

In the case of a 240 mm² high-current terminal block from Phoenix Contact, a test current of 28800 A is passed through the terminal block for one second without loss of quality.



Maximum contact reliability, even under extreme overload – illustrated with a plug-in spring-cage terminal block

Aging test

IEC 60947-7-1/-2

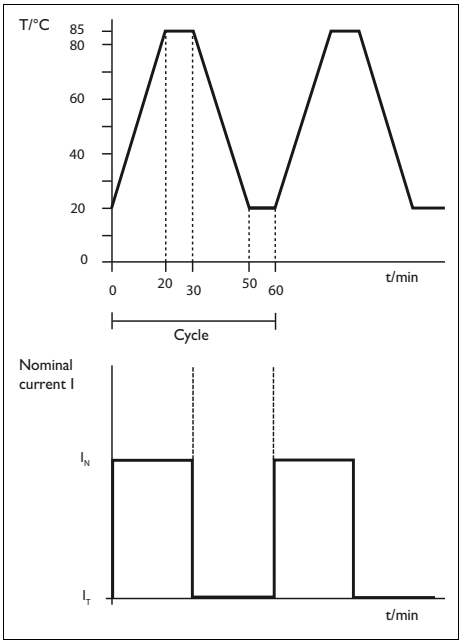
From the point of view of long lifecycles of the terminal blocks, the aging behavior also plays an important role.

In this test, the contact quality is verified by means of simulated aging.

To simulate several years of use, five terminal blocks are mounted horizontally on a rail and connected in series using conductors with the rated cross section. Conductors with a minimum length of 300 mm are connected and the voltage drop is measured on every terminal block. The minimum temperature in the climate cabinet is set to 20°C and the maximum temperature to 85°C. During the heating phase and the 10-minute pause phase with maximum temperature, the rated current flows. As a result, the maximum permissible operating temperature of the test object (130°C maximum) is reached. The cooling down phase follows. The voltage drop is always measured after 24 cycles in the cooled down state (approximately 20°C). The test consists of a total of 192 cycles.

The voltage drop must not exceed 3.2 mV initially. During or after testing, it must not exceed 4.8 mV or 1.5 times the value measured after the 24th cycle.

Terminal blocks from Phoenix Contact are designed for extreme durability even under difficult temperature conditions. Plastic as well as metal parts provide sufficient safety reserves.





Current and temperature in relation to time

Corrosion test

DIN 50018

The key role of the metal parts of electrical connections becomes particularly apparent in aggressive environments. Corrosion-free contact areas are a prerequisite for low-resistance and therefore high-performance connections. This test method describes a corrosion test in condensation climates with an atmosphere that contains sulfur dioxide. Acidic compounds < Ph 7 form during the test and attack the metal surfaces. Two liters of distilled water and one liter of SO_2 gas are introduced into the test chamber. At a test temperature of 40°C, sulfurous acid forms during the test.

After eight hours of testing, the test objects dry for 16 hours with the door open. At the end of the test, the test objects are visually inspected, and the contact resistance is measured in order to show the influence of this corrosion test on the contact point in more detail. Phoenix Contact terminal blocks create high-quality, gas-tight connections that cannot be impaired even by aggressive substances.



Environmental testing methods

IEC 60068-2-42/43

The mechanical and electrical service life of terminal blocks is directly dependent on the metal parts and insulation materials used. To evaluate the climatic effects on electrical connections, terminal blocks are subjected to various environmental simulation tests. The conductor contact points, the knife disconnect points, and the test contacts are included in these tests. The contact resistance values, the secure fit of the conductor, and the visual assessment of the contact points after each test serve as evaluation criteria.

– 10-day storage in aggressive SO_2 industrial atmospheres at 25°C and 75% humidity
– 4-day storage in aggressive H_2S atmospheres at 25°C and 75% humidity

After the test has been completed, the contact resistance must not exceed 1.5 times the initial value. The function of the terminal block must be ensured without any limitation. The high standard of quality of Phoenix Contact terminal blocks is achieved by using corrosion-resistant, high-grade copper alloys.

Salt spray

IEC 60068-2-11/-52

Particularly in shipbuilding, technical components have to function continuously in corrosive atmospheres. The salt content of the air combined with the increased humidity places high demands on the metal parts used. The impact of the climate at sea can be simulated on the basis of the above standard.

The resistance of the materials in a corrosive atmosphere is tested using salt spray. The test objects are placed in the test chamber and subjected to a finely dosed spray of 5% sodium chloride solution (NaCl; pH value 6.5 - 7.2) at a temperature of 35°C for a period of 96 hours.

At the end of the test, the test objects are visually inspected and an electrical test is performed to show the influence of this corrosion test on the contact point in more detail.

All Phoenix Contact terminal blocks, whatever their connection technology, create gas-tight connections. This means that the contact point is protected against corrosion even under extreme climatic conditions.



Temperature shock test

DIN EN 60352 P4

As mentioned earlier, rapid changes in temperature frequently occur near process-related sources of heat and cold in process engineering. This test verifies that the contact quality of the terminal points remains consistently high even with rapid temperature changes.

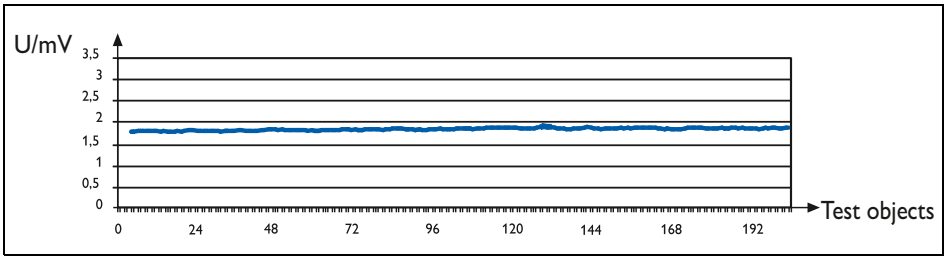
For testing purposes, five terminal blocks are mounted on the support and wired to a conductor with the rated cross section. The structure is subjected to rapid temperature changes using a two-chamber method. The temperatures lie close to the upper and lower limiting temperatures of the terminal block. This is generally a temperature range of -55°C to +100°C. The dwell time in each climatic chamber is 45 minutes, whereby the change takes place within a few seconds. This change is performed for 100 cycles.

The requirements are met if, after the test, the single parts are undamaged and their further use is guaranteed.





After the terminal block has cooled down to room temperature, it must undergo a voltage-drop test. Phoenix Contact terminal blocks exhibit consistently good temperature behavior, thanks to high-quality materials.



Voltage-drop test on more than 200 test objects following the test

Vibration test

DIN EN 61373 – broadband noise (intensity according to DIN EN 50155)

In transportation technology, terminal blocks are always exposed to vibrations and shocks. These occur particularly in the vicinity of engines, rotating drives, and axles.

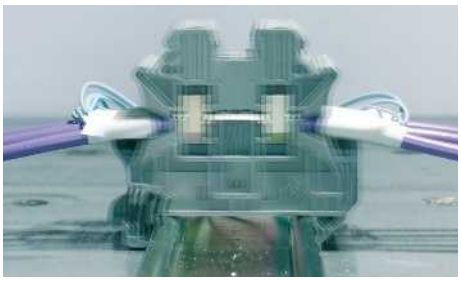
For a practical simulation of the vibration stress, the test objects are subjected to broadband noise-induced vibrations. This means that realistic accelerations are generated at the terminal block and the connected conductor.

During the category 1b test, the test objects are exposed to a frequency range of 5 Hz to 150 Hz. The r.m.s. value of the acceleration is up to 5.72 m/s². The test objects are tested for 5 hours on each of the three axes (x, y, z).

In addition to the vibrations, the electrical contact is monitored during the test to make it more difficult.

No damage may occur to the terminal blocks that would impair their further use. In addition, no contact interruptions > 1 µs are permitted during the test.

All Phoenix Contact terminal blocks, whatever their connection technology, meet this high vibration requirement.



Shock testing

IEC 60068-2-27

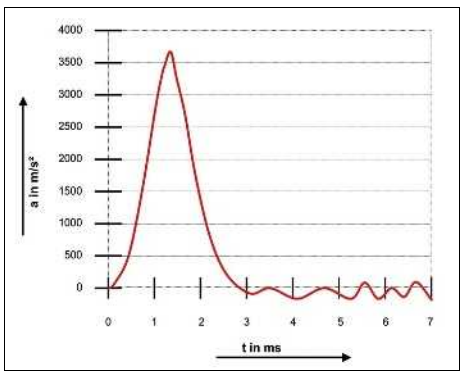
This test is performed to test and document the resistance of a terminal connection to irregular occurring shocks with varying energy content. Intensities from DIN EN 50155 and DIN EN 61373 (European standard for railway applications) are used to simulate the load in rail traffic.

For the definition of the shock, acceleration and duration are specified. IEC 60068-2-27 prescribes three positive and negative shocks on each of the three spatial axes (X, Y, Z). The simulated accelerations reach 50 m/s² with a shock duration of 30 ms.

No damage may occur at the terminal connection that would impair further use.

The contact behavior at the test objects is monitored during the test. When the railway standard is applied, no contact interruptions > 1 µs are permitted.

Phoenix Contact terminal blocks achieve this shock resistance and are suitable for applications with the most extreme vibrations.



Shock diagram with 3 ms/350 g

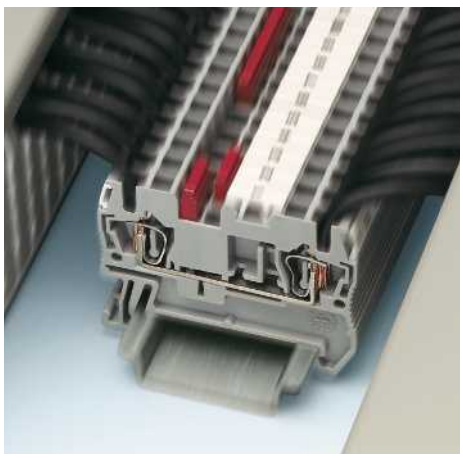
Vibration test

IEC 60068-2-6

This test demonstrates the vibration resistance of a terminal connection subjected to permanent vibrations. Harmonic, sinusoidal vibrations are applied to the test object to simulate rotating, pulsating or oscillating forces. The test is performed on each of the three spatial axes (X, Y, Z). In the test, the object runs through a frequency range of 5 Hz to 150 Hz at a speed of one octave per minute. The r.m.s. value of the acceleration is up to 40 m/s². The test objects are tested for 2 hours on each of the three axes (x, y, z).

No damage may occur to the terminal blocks that would impair their further use. In addition, no contact interruptions > 1 µs are permitted during the test. The contact resistance is measured before and after the test.

All connection technologies meet the requirements of the standard without the electrical contact being interrupted. They are therefore particularly suitable for challenging applications in which the reliable function of the terminal connection must be ensured, even when subjected to vibrations.



Quality features of insulation material

Thermoplastics

The majority of our insulating housing is made from thermoplastic materials. Roughly speaking, these can be divided into amorphous and semi-crystalline substances. Thermoplastics are processed using the efficient and environmentally-friendly injection molding process. They have good recycling properties and can be re-used. We use many materials that are modified in different ways to meet the demanding requirements of electrical and electronic modules, devices, and systems with regard to their mechanical, thermal, and electrical properties. The thermoplastic is halogen free, i.e., there are no combustion fumes that can lead to corrosive condensation alone or in conjunction with humidity. It also contains no silicone compounds, formaldehyde, PCB or PCT.

Behavior of plastics under the influence of temperature (operating temperatures)

All plastics undergo a process referred to as thermal aging when they are subjected to heat over long periods. This process causes changes in the mechanical and electrical properties of the material. External influences, e.g., radiation, additional mechanical, chemical or electrical stresses, amplify this effect. Special tests on samples can yield characteristic data which provides a good means of drawing comparisons between different plastics. However, applying these characteristics to an evaluation of molded plastic parts is only possible to a limited extent, and can only give the designer a rough guide when it comes to selecting a plastic material. IEC 60947-7-1/EN 60947-7-1 specifies a permissible temperature increase of 45 K for terminal blocks under nominal load. Phoenix Contact terminal blocks meet this requirement.

Inflammability characteristics of plastics (UL 94)

Inflammability tests for plastics have been defined by Underwriters Laboratories (USA) in regulation UL 94. This applies to all areas of application, but in particular to electrical engineering. A horizontal or vertical test is carried out at the test laboratory to determine the inflammability of the plastic material with a naked flame. In order of increasing resistance to combustion, the evaluation classes are HB, V1, V2, V0. Test results are recorded on "yellow cards" and are published annually in the **Recognized Component Directory.**

Thermoplastics: non-reinforced polyamide, PA

We use the modern, semi-crystalline polyamide insulation material, which has now become an essential component in electrical engineering and electronics. It has long occupied a leading position and is authorized for use by the relevant approval authorities such as the CSA, KEMA, PTB, SEV, UL, VDE, etc.

Polyamide also has excellent electrical, mechanical, chemical, and other properties, even at high operating temperatures. Brief peak temperatures of up to approximately 200°C are permitted as a result of heat aging stabilization. Depending on the type (PA 4.6, 6.6, 6.10, etc.), its melting point is in the region of 215°C to 295°C.

Polyamide absorbs moisture from its surroundings, on average 2.8%. However, this moisture is not in the form of crystallization water in the plastic itself, but chemically bonded H_2O groups in the molecular structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -40°C. As per UL 94, PA belongs to inflammability class V2 to V0.

Thermoplastics: fiberglass-reinforced polyamide, PA-F

Fiber-reinforced polyamides feature greater rigidity and hardness as well as operating temperatures higher than those of non-reinforced materials. This means that they are also suitable for use in applications such as surge protection.

Reinforced polyamide absorbs less moisture than the non-reinforced material. Otherwise, the properties are largely the same. As per UL 94, fiber-reinforced polyamide belongs to inflammability class HB to V0, although V0 materials are usually only available in black.

Thermoplastics: ABS

We use the thermoplastic molding compound ABS for products which must have good impact and notched impact properties in addition to high mechanical stability and rigidity. The products are resistant to chemicals and stress cracking due to their special surface quality and hardness.

The characteristic thermal properties provide good dimensional stability at both low and high temperatures. Products made of ABS can be coated with metallic surfaces, e.g., nickel.

As per UL 94, the molding compound used belongs to inflammability class HB to V0.

Thermoplastics: polyvinyl chloride, PVC

PVC is resistant to salt solutions, diluted and concentrated lyes and to most diluted and concentrated acids except for fuming sulfuric acid and concentrated nitric acid.

PVC is flame-retardant even without fire protection equipment (B1 according to DIN 4102 to UL 94 V0).

Properties	Unit/ level	Polyamide PA	Polyamide PA	Polyamide PA-GF	Polyamide PA-GF	Polycarbonate PC-GF
Continuous temperature, DIN IEC 60216	°C	≤130	≤125	120	120	130
Minimum temperature for use (without mechanical load)	°C	-60	-60	-60	-60	-60
Electric strength, IEC 60243-1/DIN VDE 0303-21	kV/cm	600	600	330	400	300
Resistance to creepage, IEC 60112/DIN VDE 0303-1	CTI...	600	600	550	475	175
Tropical and termite resistance		Good	Good	Good	Good	Good
Specific contact resistance IEC 60093/VDE 0303-30; IEC 60167/VDE 0303-31	Ω cm	10^{12}	10^{12}	10^{12}	10^{12}	$> 10^{14}$
Surface resistance IEC 60093/VDE 0303-30; IEC 60167/VDE 0303-31	W	10^{10}	10^{10}	10^{12}	10^{12}	$> 10^{14}$
Inflammability class according to UL 94		V0	V2	V0	HB	V0

Insulation material properties

IEC 60210-1/UL 746 B

In the following tests, an increased load on the terminal block is simulated over a longer period of time. The behavior of plastics at constantly higher temperatures is described with respect to their tensile strength and insulation properties. IEC 60216 and UL 746 B specify a temperature index that allows conclusions to be drawn regarding the service life of plastics under thermal loads. Characteristic values are specified for both properties:

– Mechanically as a TI value according to IEC 60216

– Electrically as an RTI value according to UL 746 B

IEC 60216 – TI value

The tensile strength is measured over 5000 hours and the result is extrapolated to 20,000 hours. After 20,000 hours, the temperature is recorded at which the tensile strength decreased by half.

UL 746 B – RTI value

The RTI (elec.) indicates the highest operating temperature before a disruptive discharge occurs under certain test conditions. The polyamides used by Phoenix Contact are classified as follows:

	UL 94 V2	UL 94 V0
TI	105°C	125°C
RTI	125°C	130°C

Ceramic terminal blocks, for example, are available for use at higher temperatures.

Surface inflammability

ASTM E 162

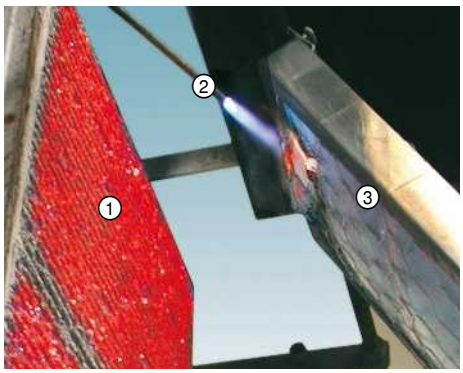
The spread of a fire under the influence of heat is tested and evaluated in the above standard.

To evaluate the surface inflammability of plastics, a "flame spread index" is devised according to ASTM E 162 to provide information on flame propagation under given test conditions.

For this purpose, a sample (152 x 457 x maximum 25.4 mm) is irradiated with a heat source (815°C) at an angle of 30° and ignited with a naked flame at the top end. During the 15-minute duration of the test, the time in which the flame front reaches two measuring points that are 76 mm apart is determined. The product of this flame propagation time and a calculated heat development factor yields the "flame spread index".

In the American railroad sector, the maximum limit value is 35. In this test, the drip behavior of the plastic is also observed and evaluated.

The terminal blocks from Phoenix Contact achieve a flame spread index of 5, drip without burning, and are therefore well below the maximum permitted values of the Federal Railroad Administration (FRA) of the US Department of Transportation.



① Radiant heater
② Flame
③ Plastic sample

Smoke gas development

ASTM E 662

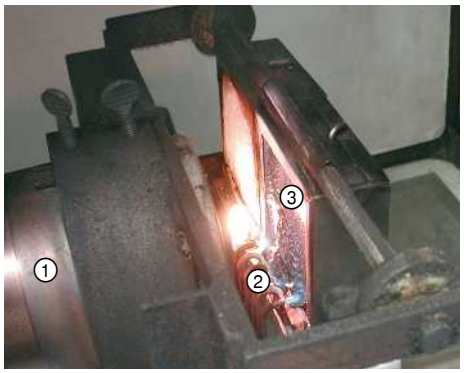
Standard ASTM E 662 specifies a procedure for evaluating the specific optical density of the smoke (smoke opacity) during an open fire or a smoldering fire. For this purpose, the percentage of light transmitted in relation to the burning chamber volume is observed. A sample (76 x 76 x maximum 25 mm) is placed in a smoke density chamber (see figure) as defined by the NBS (National Bureau of Standards). The test object is irradiated with a heat of 2.5 W/cm². The following processes are then simulated for 20 minutes:

1. Burning with a naked flame
2. Smoldering fire, avoidance of a naked flame

There are special limit values for the optical smoke density of both processes that are recorded after 1.5 and 4 minutes.

a. Specific optical smoke density (Ds1.5) – limit value 100
b. Specific optical smoke density (Ds4) – limit value 200
c. Maximum smoke density (Dm) during the 20 minutes

The polyamides used for Phoenix Contact terminal blocks meet all the requirements of the Federal Railroad Administration (FRA) of the US Department of Transportation according to ASTM E 662.



① Radiant heater
② Flame
③ Plastic sample

Behavior in fire

NF F 16-101

NF F 16-101 describes the behavior in fire of plastics on the basis of two indices (I and F). As such, the following tests are performed: glow-wire test, oxygen index, smoke gas opacity, smoke gas toxicology.

1. Determination of index I (0 - 4)

Index I is determined from the results of the glow-wire test and the oxygen index, using the following table. Here, I 0 is the best classification and I 4 the worst.

Index	Oxygen index	Glow wire
I 0	70%	960°C, no flame formation
I 1	45%	960°C, no flame formation
I 2	32%	960°C, no flame formation
I 3	28%	850°C, no flame formation
I 4	20%	850°C, flame extinguishes quickly

2. Determination of smoke index F (0 - 5)

This is based on the smoke gas opacity and the smoke gas toxicity. The following concentrations in [ppm] are considered critical:

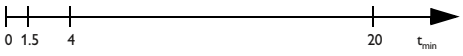
Carbon monoxide (CO) 1750
Carbon dioxide (CO_2) 90,000
Hydrochloric acid (HCl) 150
Hydrobromic acid (HBr) 170
Hydrocyanic acid (HCN) 55
Hydrofluoric acid (HF) 17
Sulfur dioxide (SO_2) 260

Using the test results, a smoke index is documented and can be assigned to classes F 0 - F 5 depending on the value. Here, F 0 is the best classification and F 5 the worst. Terminal blocks from Phoenix Contact attain classification I 2/F 2.

Smoke gas toxicity

SMP 800-C

SMP 800 C describes the maximum permissible values of toxic smoke gases when a plastic is burned. In comparison with BSS 7239 (Boeing standard), this standard specifies more precise measuring methods for the qualitative and quantitative determination of toxic smoke gases that result when a test object is completely burned. The smoke gases of these measurements are taken from the NBS test chamber of the ASTM E 662 test. The same time scheme is valid here as in ASTM E 662.



Data is recorded over a full 20 minutes.

SMP 800-C limit values of toxic smoke gases in ppm:

Carbon monoxide (CO) 3500
Carbon dioxide (CO_2) 90,000
Nitrogen oxides (NO_X) 100
Sulfur dioxide (SO_2) 100
Hydrochloric acid (HCl) 500
Hydrobromic acid (HBr) 100
Hydrofluoric acid (HF) 100
Hydrocyanic acid (HCN) 100

The polyamides used by Phoenix Contact are many times below the critical concentrations.

Halogen-free flame protection

DIN EN ISO 1043-4

Halogens are the chemical elements fluorine, chlorine, bromine, and iodine. One property of halogen compounds is the reduction in the degree of inflammability when used in plastics. In fire-protection tests, a connection has been established between the release of toxic gases and halogens.

Terminal blocks from the CLIPLINE complete system are made of polyamide 6.6 (PA 6.6) with fire protection classification UL 94 V0. Melamine cyanurates are used instead of flame protection agents that contain halogen. Phoenix Contact terminal blocks are therefore, without exception, entirely free of halogens.

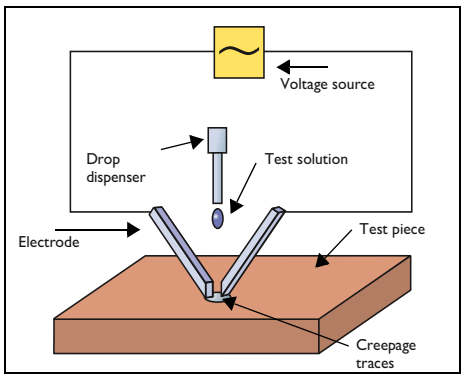


Comparative tracking index (CTI)

DIN EN 60112

Humidity and contamination facilitate the formation of creepage distances on the plastic surface. The formation of creepage distances refers to the occurrence of conductive connections between neighboring potentials depending on their voltage differences under electrolytic influences. The CTI value of a plastic indicates the extent to which this creepage distance formation is prevented. Two platinum electrodes are set up on a test piece (20 x 20 x 3 mm) with a spacing of 4 mm. A test voltage specified by the standard is applied to both electrodes, which are subsequently sprinkled with a drop of test solution every 30 seconds from a device.

The test evaluates the maximum voltage value at which 50 drops are applied without a short-circuit current > 0.5 A. The plastics used by Phoenix Contact are classified in the highest test voltage category with a CTI value of 600.



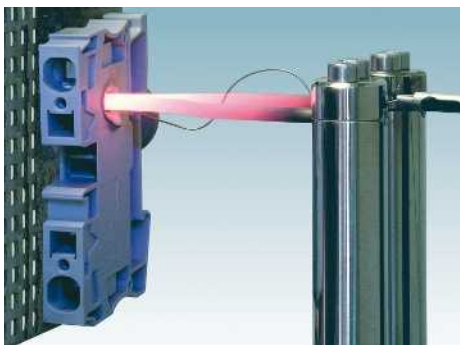
Glow-wire test

IEC 60695-2-11

In the event of overload, conductive metal parts of the terminal block or connected conductors can heat up considerably. This additional heat affects the plastic housing. To simulate this source of danger for electrotechnical components, a glow wire is heated to a specific temperature (550°C, 650°C, 750°C, 850°C or 960°C) in a glow-wire test and is then pushed onto the thinnest part of the housing of the test object at a right angle with a force of 1 N, as shown in the figure. The test is deemed to be passed:

– When no flame or glowing process occurs during the test
– When the flames or glowing processes are extinguished within 30 seconds of the glow wire being removed
– When the tracing paper beneath the glow wire does not ignite due to drops of burning substances falling down

The polyamides used by Phoenix Contact as housing materials all meet the requirements of the glow-wire test at 960°C (highest level).



Needle flame test

IEC 60947-7-1/-2

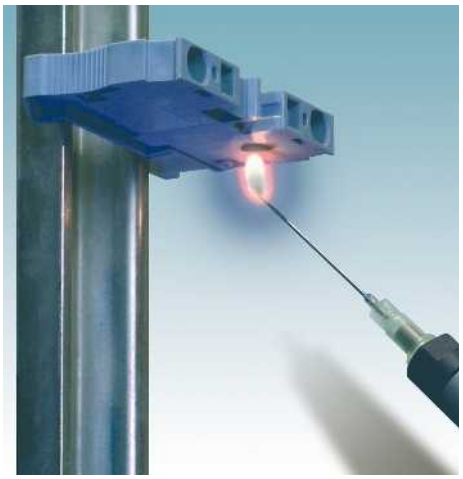
As far as the use of terminal blocks is concerned, behavior in fire when in direct contact with a source of ignition is a major criterion. Such sources of ignition could be electric arcs along a creepage distance, for example. Terminal blocks must not aid or accelerate fires and the plastics must have self-extinguishing properties.

This fire test simulates the behavior of the components with an external source of ignition acting on them directly from outside.

In the test, a naked flame fed with butane gas is held at an edge or surface of the test object at an angle of 45° for 10 seconds (see figure). The behavior of the test object without a source of ignition is then observed.

The test is deemed to be passed:
– When the flames or glowing processes are extinguished within 30 seconds of the flame being removed.
– When the tracing paper beneath the test object does not ignite due to drops of burning substances falling down.

All Phoenix Contact terminal blocks pass the needle flame test thanks to the high-grade plastics used and their structural design.



Heating value of the plastic

DIN 51900-2/ASTM E 1354

Due to experience with catastrophic fires, technical plants are increasingly also classified according to the amount of heat dissipation in the case of fire. The reason for this is to limit heat generation in relation to the area.

Fire load

The fire load is the amount of energy released over a particular area during burning. The value of the fire load is usually expressed in MJ/m^2. The higher the calorific value and the presence of a substance, the greater the amount of energy released during burning. The calorific values of polyamides are relatively high. For this reason, the calorific values of terminal blocks are also increasingly included in the fire load determination. Calorific values of the plastics used by Phoenix Contact according to:

DIN 51900-2:
Polyamide 66 V2 . . . . . Approx. 30 MJ/kg
Polyamide 66 V0 . . . . . Approx. 32 MJ/kg

ASTM E 1354:
Polyamide 66 V2 . . . . . Approx. 22 MJ/kg
Polyamide 66 V0 . . . . . Approx. 24 MJ/kg
For comparison:
Heating oil . . . . . Approx. 44 MJ/kg
To calculate the fire load of individual components, the calorific value of each polyamide must be multiplied by the weight of the part.

Inflammability classification

UL 94

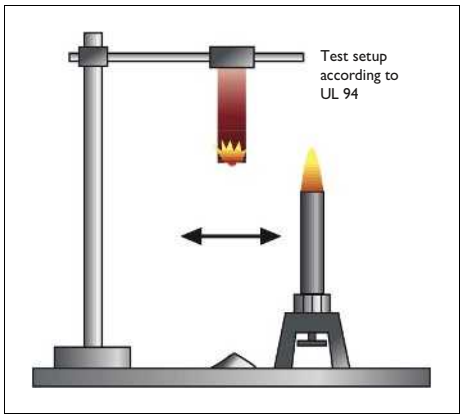
UL 94 describes inflammability tests that have gained particular importance in the field of electrical engineering. Behavior in fire is the main focus. Items are classified according to either UL 94 HB (Horizontal Burn) or UL 94 V (Vertical Burn). The test setup is such that the 94 V0/1/2 classifications are stricter than the 94 HB classification.

UL 94 V0/1/2

After conditioning, the test bar is vertically clamped and flame-treated several times for 10 seconds at a time. Between the flame treatments, the time until the test bar is extinguished is measured.

Afterwards, the afterburning times and the drip behavior are evaluated.

The plastic used for Phoenix Contact terminal blocks meets the higher-grade criteria for classification as a V0 material.



Classification	UL 94 V0	UL 94 V1	UL 94 V2
Burning time after each flame treatment	≤ 10 s	≤ 30 s	≤ 30 s
Total burning time after 10 flame treatments	≤ 50 s	≤ 250 s	≤ 250 s
Glowing time after the 2nd flame treatment	≤ 30 s	≤ 60 s	≤ 60 s
Complete burn-off	no	no	no
Ignition of the absorbent cotton under the sample	no	no	no

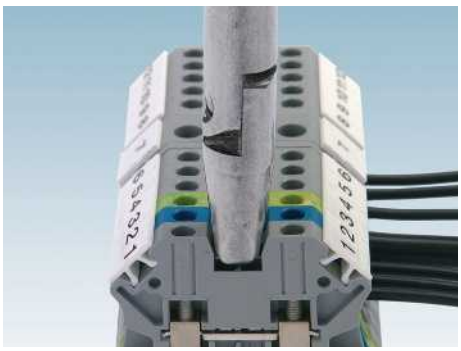
Shock protection

IEC 60529/DIN EN 50274

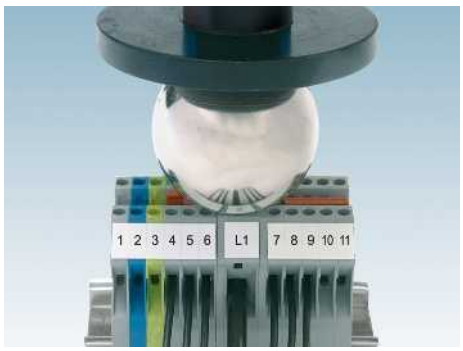
Electrical installations and plants must also afford service technicians a high level of safety when carrying out maintenance involving measuring and testing tasks.

BGV A2 specifies safety distances for work, operation, and occasional handling near parts that pose a potential danger in low-voltage plants up to 1000 V AC and 1500 V DC, based on standard IEC 60529. For the purpose of contact safety, a distinction is made between back of hand safety and finger safety. The extent to which conductive parts are safe to touch is tested with a test finger and test ball. It must not be possible to touch conductive parts with the test equipment.

Phoenix Contact terminal blocks are designed according to IEC 60529/ DIN EN 50274.



Test finger Ø 12.5 mm



Test ball Ø 50 mm

Color designations

Color	Code
White	WH
Red	RD
Blue	BU
Green	GN
Yellow	YE
Gray	GY
Brown	BN
Orange	OG
Black	BK
Turquoise	TQ
Ivory	IV
Beige	BE
Olive	OL
Rose	RS
Pink	PK

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phoenixcontact.net/webcode/#0132

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