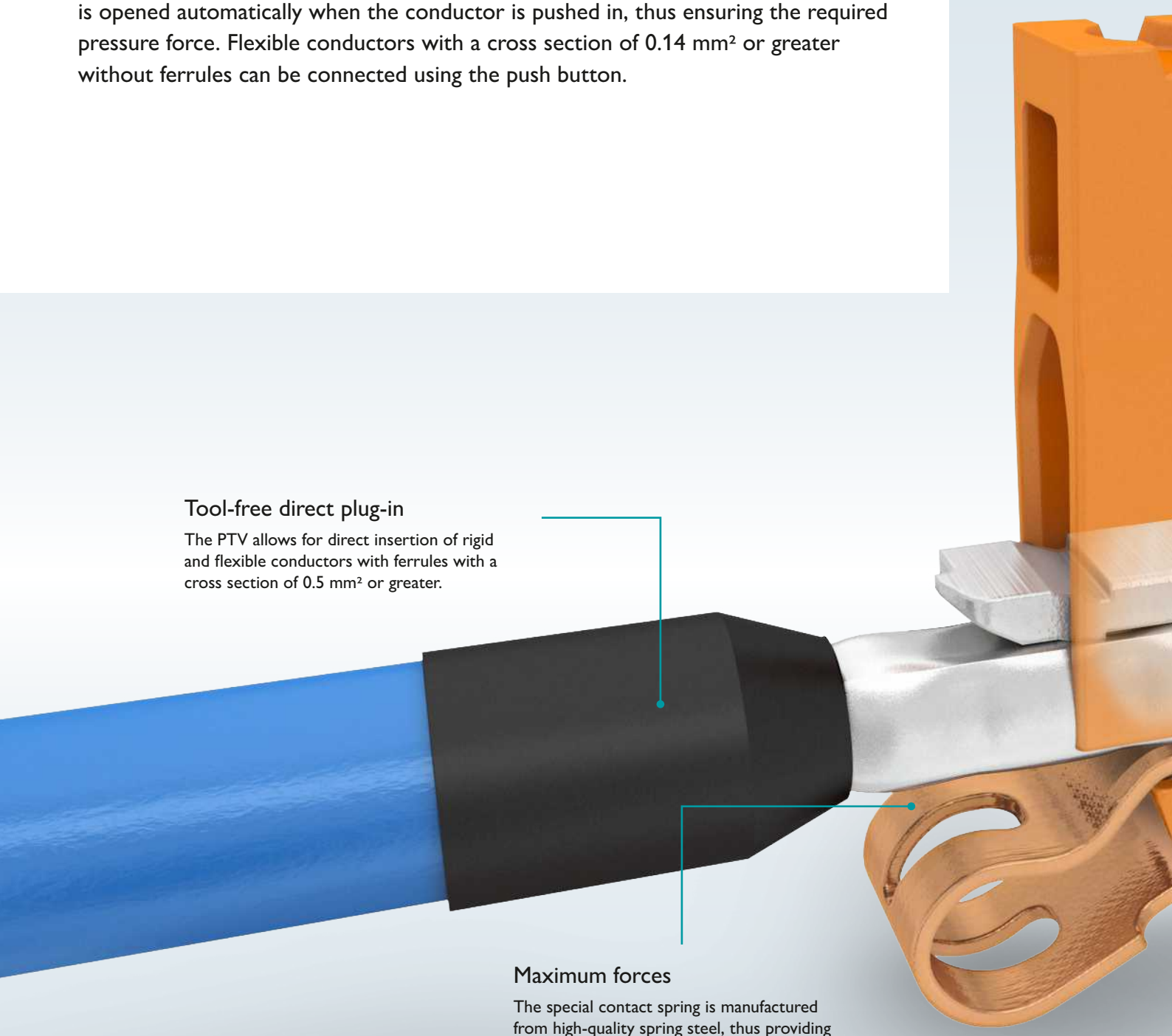
COMPLETE line

Terminal blocks with lateral spring connection

PHOENIX CONTACT

Push-in technology

With the lateral Push-in connection, you can plug in rigid conductors or conductors fitted with ferrules directly and without the need for tools. The spring profile makes it possible to plug in rigid conductors from 0.5 mm² without tools. The contact spring is opened automatically when the conductor is pushed in, thus ensuring the required pressure force. Flexible conductors with a cross section of 0.14 mm² or greater without ferrules can be connected using the push button.



Tool-free direct plug-in

The PTV allows for direct insertion of rigid and flexible conductors with ferrules with a cross section of 0.5 mm² or greater.

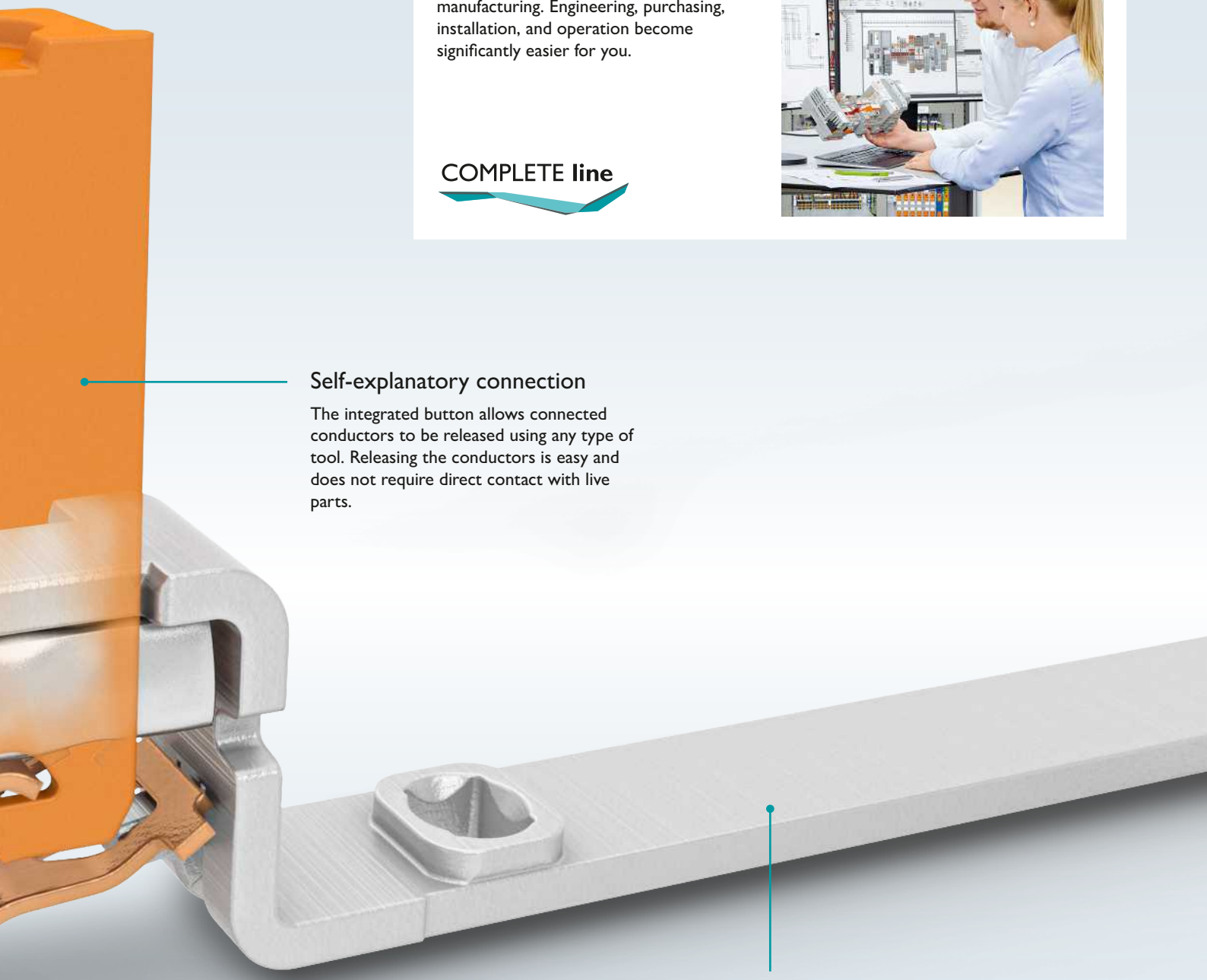
Maximum forces

The special contact spring is manufactured from high-quality spring steel, thus providing high long-term stability. It ensures maximum contact and conductor pull-out forces, and a vibration-resistant and gas-tight connection.

The comprehensive solution for your control cabinet

The PTV product family is part of the COMPLETE line. COMPLETE line is a system comprised of coordinated hardware and software products, consulting services, and system solutions that help you optimize your processes in control cabinet manufacturing. Engineering, purchasing, installation, and operation become significantly easier for you.

COMPLETE **line**



Self-explanatory connection

The integrated button allows connected conductors to be released using any type of tool. Releasing the conductors is easy and does not require direct contact with live parts.

Reliable contact

High-quality, hard-faced copper alloys ensure low contact resistance and maximum current transfer.

Lateral conductor connection guarantees clarity

With its lateral conductor routing, the PTV terminal block family offers clearly arranged wiring without bend radii. The straight conductor routing from the terminal through to the cable duct makes it easier to attach and read wire markings. Furthermore, the lateral conductor routing allows for a clear view of the large marking labels of the terminal blocks.

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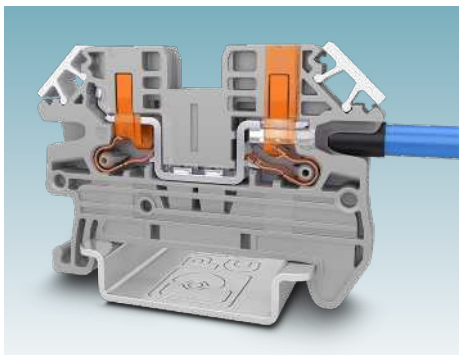
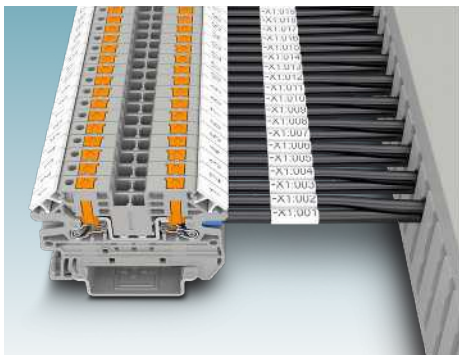


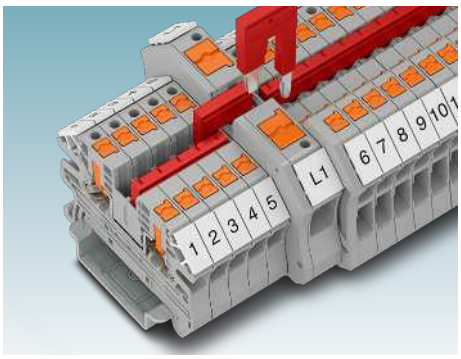
Self-explanatory connection

The combination of Push-in connection and lateral wiring direction of the screw terminal block makes connection fast and self-explanatory.



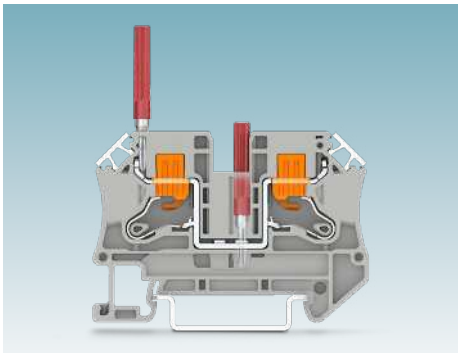
Clearly arranged wiring

The wiring direction allows for clearly arranged wiring without bend radii. This ensures that the connection markings are clearly visible.



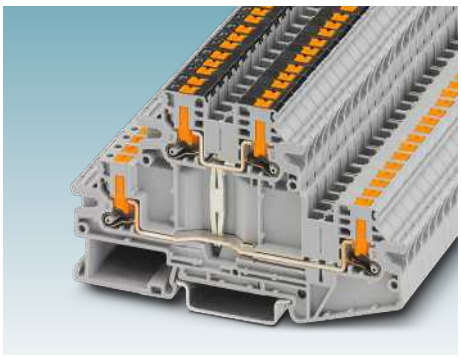
Standardized bridge system

With the FBS standard bridges and the RB reducing bridges, potentials can be distributed between different cross-sections and connection technologies.



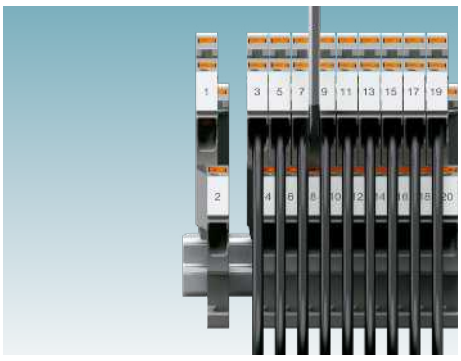
Convenient testing

The test points guarantee an easy and safe testing option. The flat contact on the current bar ensures reliable test results.



Double-level terminal blocks with PV bridging

The double-level terminal blocks can be connected both horizontally and vertically with the double function shaft and various bridging versions.



Offset levels

The offset levels of the double-level terminal blocks allow for unhindered access to the lower connection levels and push buttons even when fully wired.

Disconnect and knife-disconnect terminal blocks for the clear separation of signal currents

Where space is restricted, the PTV disconnect terminal blocks with lateral conductor connection enable the clear separation of signal currents. The product range includes disconnect and knife-disconnect terminal blocks that can accommodate conductor cross sections from 0.14 mm² to 6 mm². Moreover, compact versions with a nominal cross-section of 2.5 mm² are available without function shaft.

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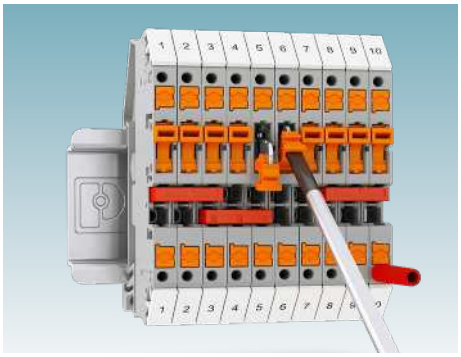
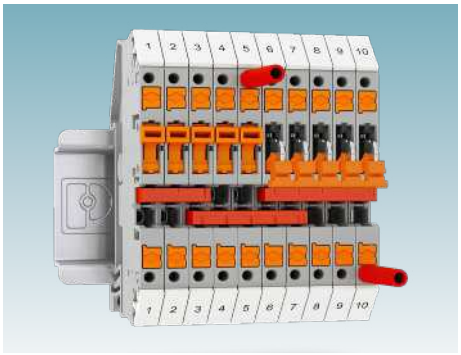


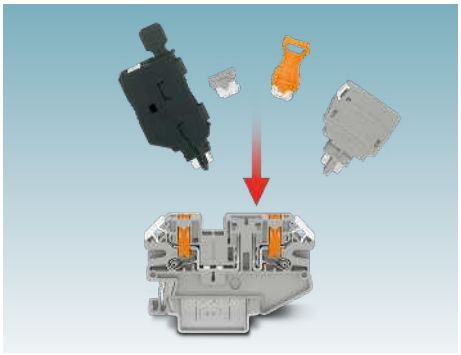
Easy operation

The circuits can be opened easily with a standard screwdriver.



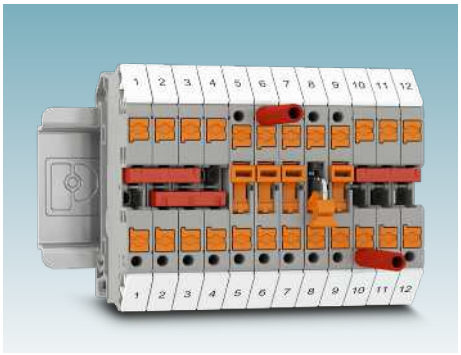
Clear switching positions

The secure end position of the lever-type disconnect knife ensures that the switching states of the knife-disconnect terminal blocks are permanently secured and always clearly recognizable.



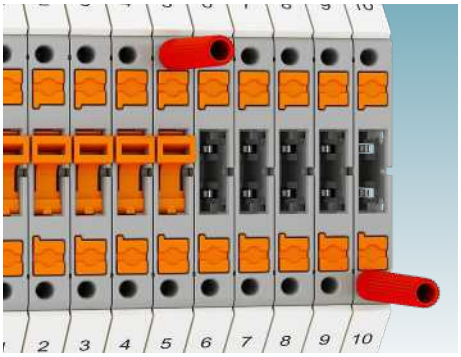
Multifunctional disconnect zone

The disconnect zone of the disconnect terminal blocks can be assembled individually with isolating plugs, fuse plugs, component connectors, and feed-through connectors.



Compact versions

The 2.5 mm² versions of the disconnect and knife-disconnect terminal blocks are also available in a particularly compact version without function shaft.



Ideal testing options

With the double-sided test points, the current at the disconnect and knife-disconnect terminal blocks can be measured quickly and conveniently.

Fuse terminal blocks for fast and space-saving protection

The PTV fuse terminal blocks make it possible to integrate type G 5 x 20 mm fuses into your system in a way that saves space and offers a clear overview. The lever can be swiveled, enabling you to replace the fuses quickly and conveniently. With the lateral conductor routing, the lever can be fully opened easily, even when conductors are connected.

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First type 2 Push-in surge protection

The lateral spring connection also is used in surge protection systems. The VAL-MS PT is the first type 2 surge protective device in the world with Push-in connection technology. It makes testing the recommended tightening torque a thing of the past.

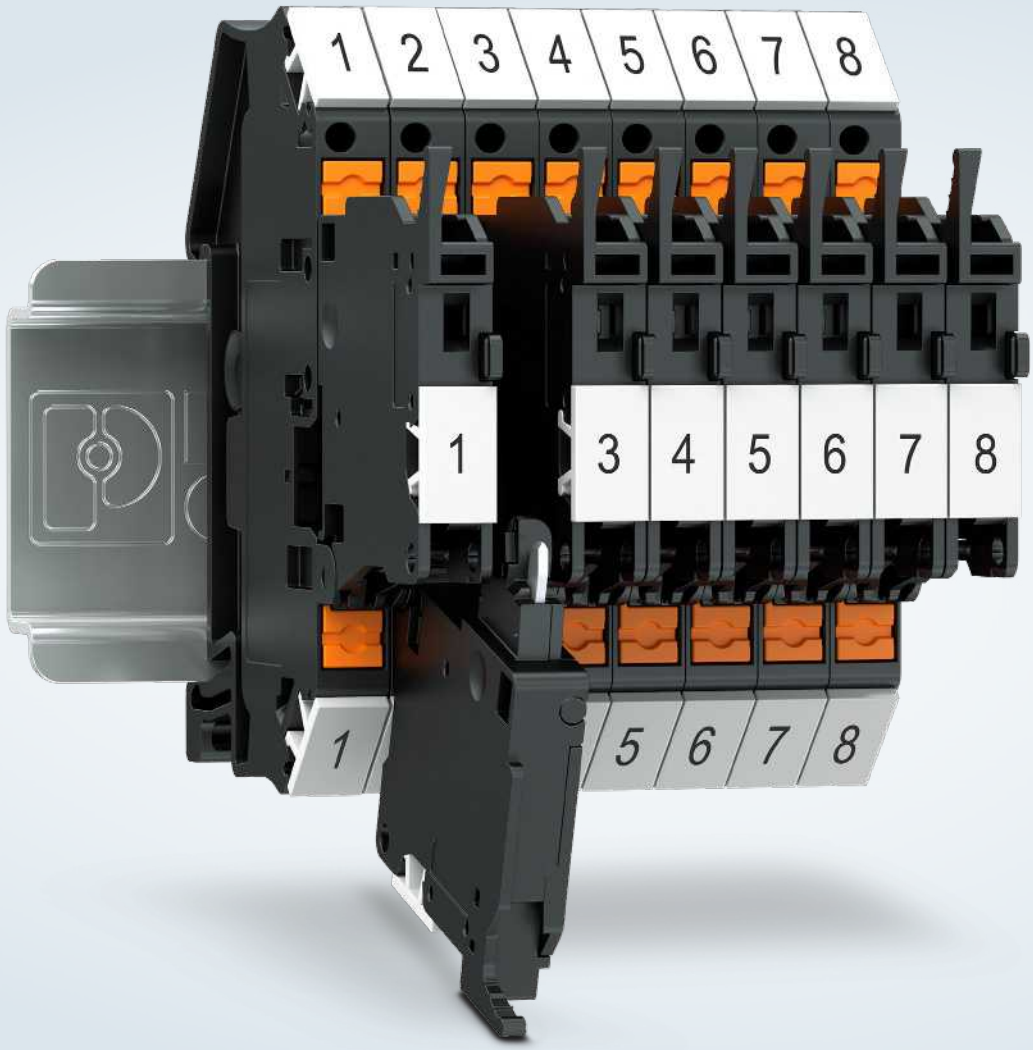
Web code: #2822

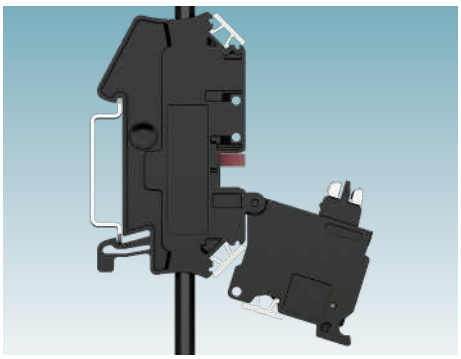
Optical signaling

Rapid identification of faulty fuses. The versions equipped with optical LED displays signal faulty fuses regardless of the direction of current.

Quick replacement

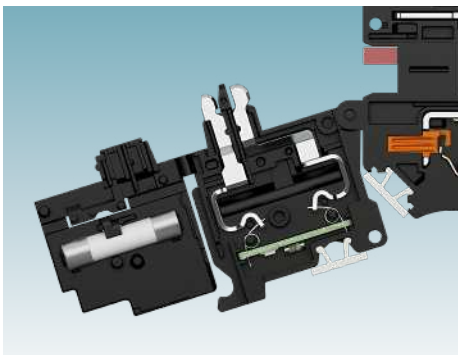
Replace fuses quickly thanks to the fold-out lever.





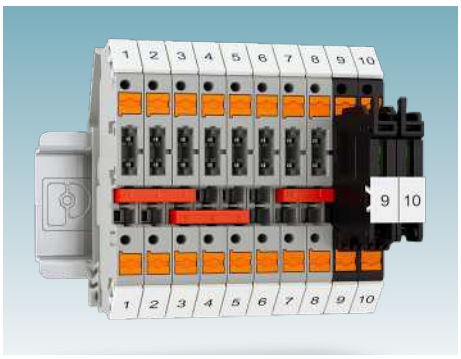
Easy handling

The lateral conductor connection means that levers can be opened easily and fully even with connected conductors.



Type G fuse-links

The lever-type fuse terminal blocks allow for the integration of type G 5 x 20 mm fuse-links on the DIN rail.



Identical in shape

Identical in shape to the feed-through terminal blocks, disconnect terminal blocks, and knife-disconnect terminal blocks.

Test-disconnect terminal block

The PTVME test-disconnect terminal blocks save you time and costs on the secondary wiring side of switching devices for transducers and signals. Versatile accessories, such as bridge bars, short-circuit plugs, or test sockets, allow for versatile construction. With the increased nominal voltage of 1,000 V, the terminal blocks furthermore offer increased protection against disruptive discharge and arcing.

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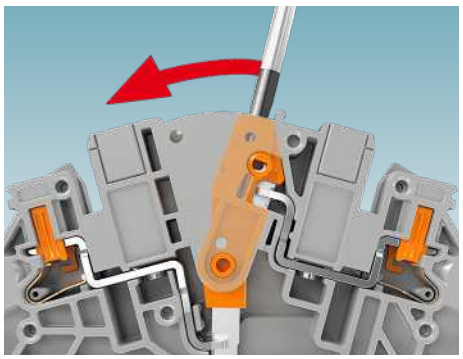
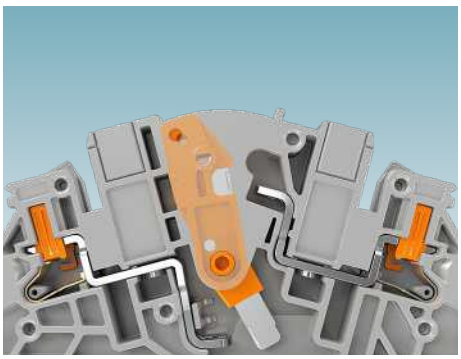


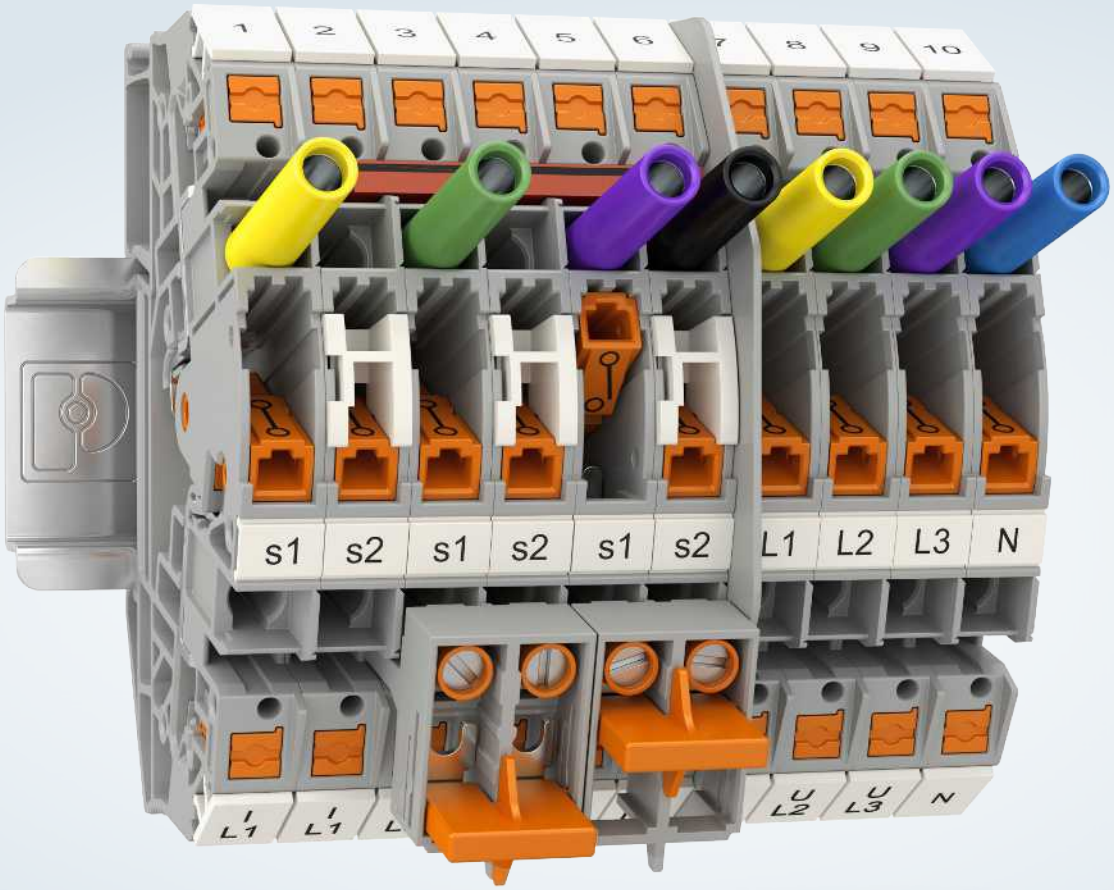
Easy actuation

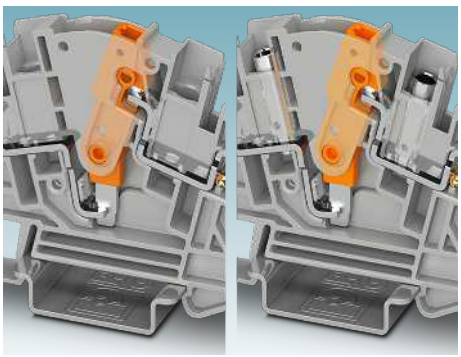
To disconnect the signal line, you only need to insert a screwdriver into the disconnect slide as far as possible. The disconnector can now easily be switched.



Safe section disconnectors

The disconnector makes contact and latches securely with a swiveling movement in the respective switching state. The disconnectors are designed such that any contact with energized components is prevented.



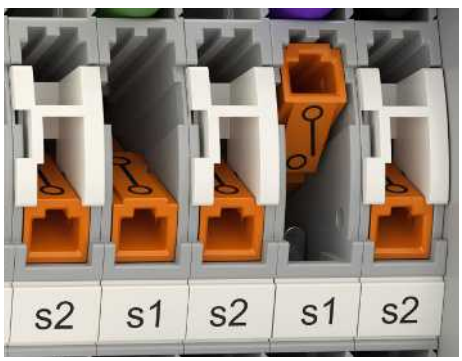


Test sockets

The version without integrated test sockets can be retrofitted with insulated sockets, which makes them compliant with IEC EN 61010-031. The version with integrated sockets allows for a faster assembly.

Safe short circuiting

The current transformer short circuit can be implemented using FBS and FBSRH standard plug-in bridges, as well as KSS short-circuit plugs. The FBSRH plug-in bridges have molded-on extraction tools.



Clear switching status

Switching symbols are printed onto the disconnectors. This makes it possible to recognize the switching status of the terminal at first sight.

PTVFIX distribution blocks with lateral Push-in connection

The PTVFIX distribution blocks are available with a nominal cross-section of 2.5 mm². In addition to the distribution blocks, collection blocks with an additional 6 mm² of line contact are also available. Unlike the PTFIX distribution blocks, the new blocks feature lateral conductor routing. For fast installation, blocks are available with 6, 12, and 18 distribution connections. The distribution blocks are available in five basic colors to provide a better overview.

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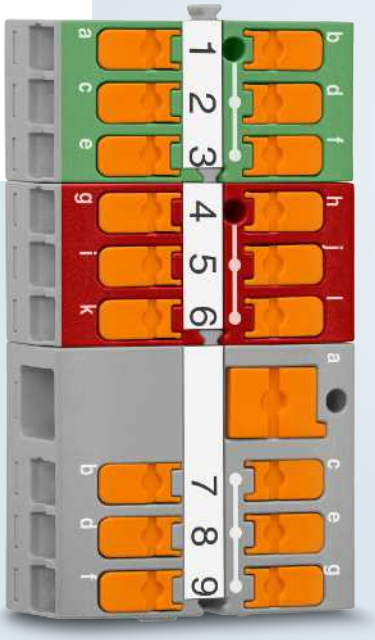
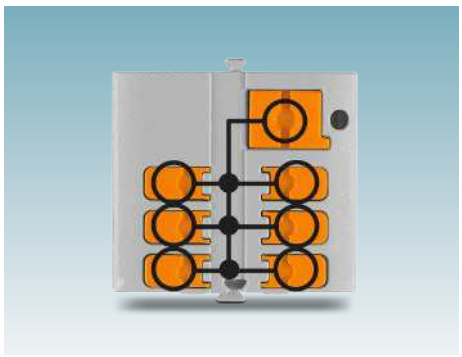


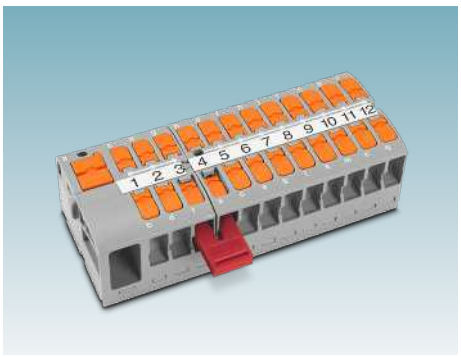
Lateral Push-in connection

The lateral conductor connection of the PTVFIX distribution blocks eliminates bend radii and reduces the amount of space required above the terminal block.



Fast installation

The distribution and collection blocks feature integrated bridging. This saves you valuable time when setting up your potential distribution.

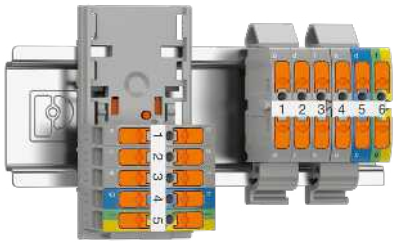


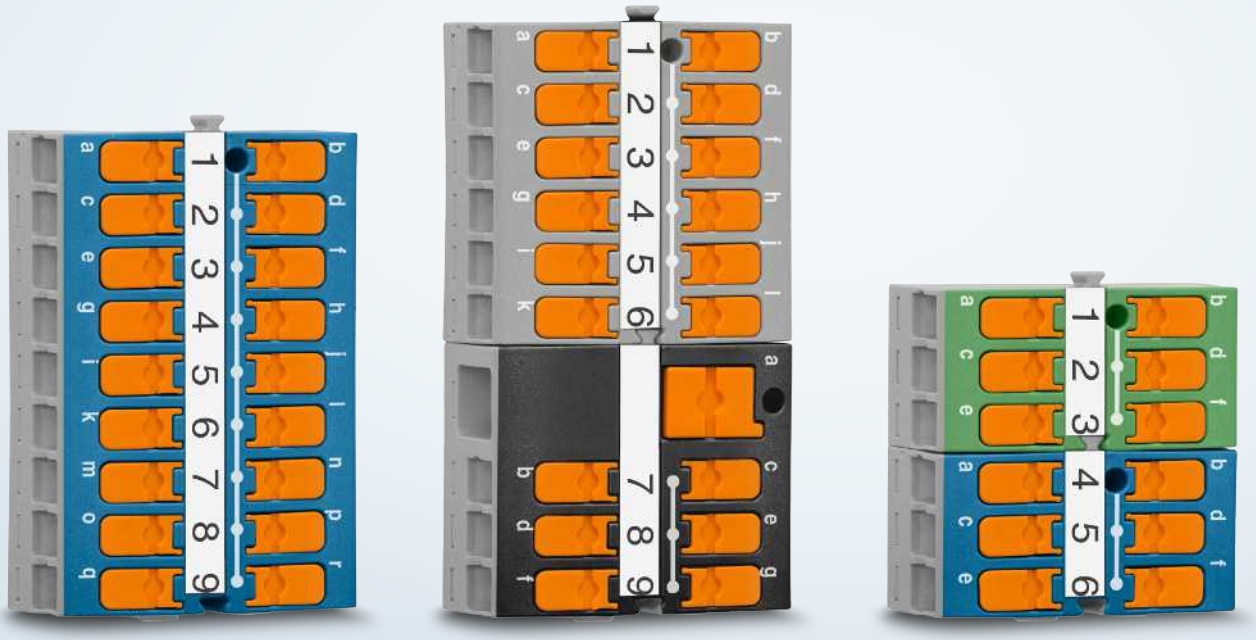
High degree of modularity

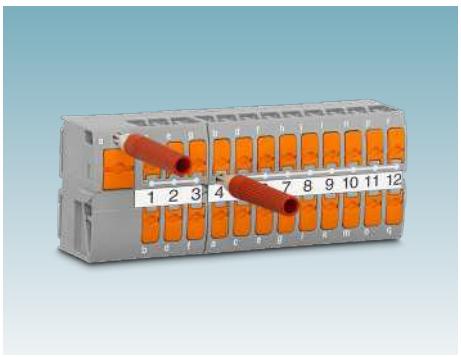
With the laterally integrated tongue and groove connection, the blocks can be mounted side by side without any loss of pitch. You can easily connect the potentials of adjacent blocks using the bridges from the CLIPLINE complete system.

Multi-blocks

The PTVFIX 2,5-3L/N/GNYE and PTVFIX 2,5-L/N/GNYE multi-blocks are particularly well-suited for building installation projects, since the phase, neutral, and protective conductors can be clearly wired with just one block.

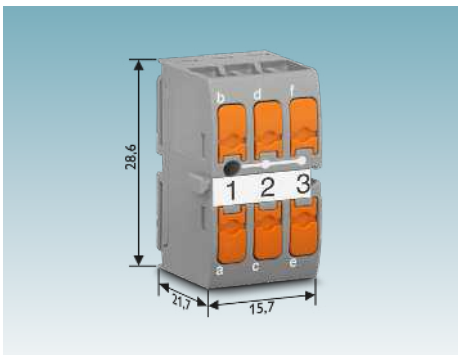






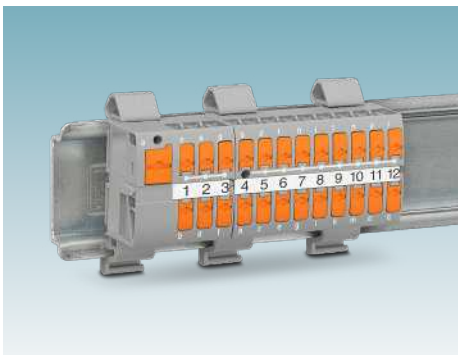
Easy testing

The individual blocks in the PTVFIX series have a 2.3 mm test point. The test points enable convenient testing without having to remove a conductor first.



Compact

The compact design of the distribution and collection blocks means that you can implement potential distribution in just a few millimeters.



Flexible mounting

With the various FIX adapters, you can simply mount the blocks on the DIN rail or via direct mounting. Furthermore, fast adhesive mounting is also possible with the adhesive versions.

Push-X technology

A new concept in tool-free conductor connection: Push-X can accommodate all types of conductors with direct wiring without the need for force or tools. A pretensioned contact spring lies at the heart of this new technology. This spring enables the connection of rigid and flexible conductors with or without ferrules. Even the smallest flexible conductors trigger the connection. Lightly tapping the release surface inside the clamping chamber causes the conductor to be contacted without any effort.

Push-X Technology

Designed by Phoenix Contact

Status indicator

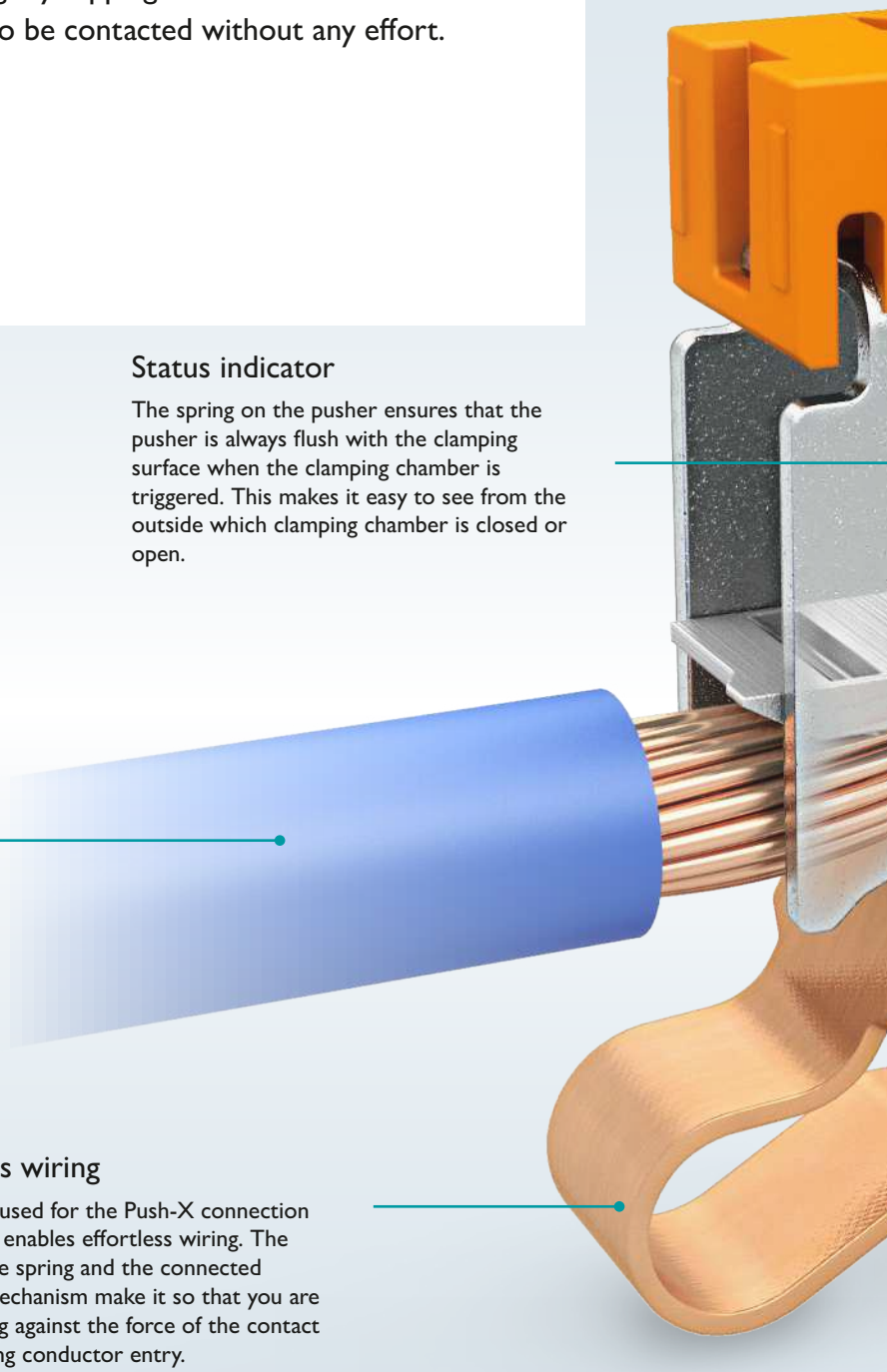
The spring on the pusher ensures that the pusher is always flush with the clamping surface when the clamping chamber is triggered. This makes it easy to see from the outside which clamping chamber is closed or open.

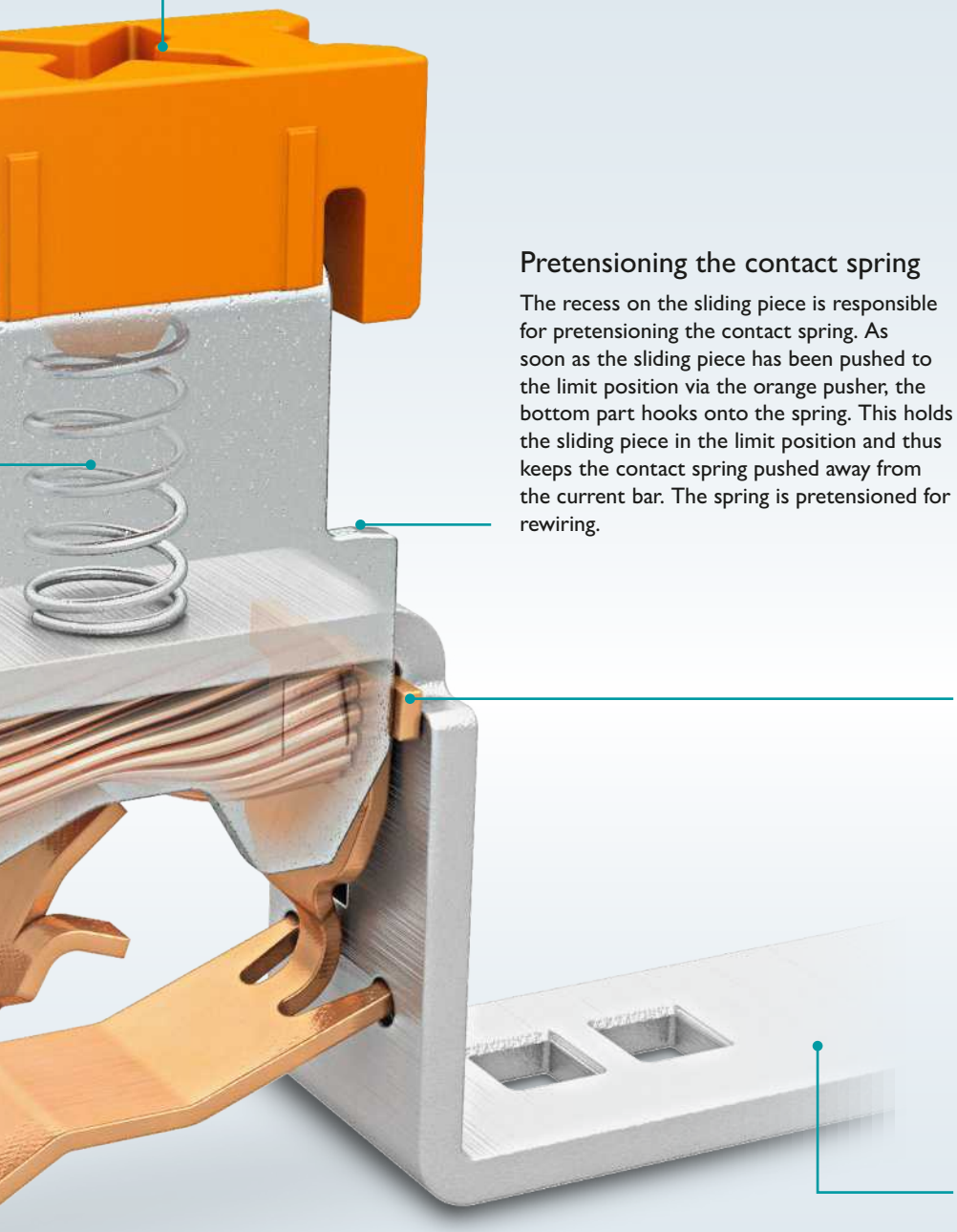
Flexible conductor types

The Push-X terminal blocks accommodate flexible and rigid conductors with or without ferrules. Even the smallest flexible conductors trigger the release mechanism and are properly clamped.

Effortless wiring

The spring used for the Push-X connection technology enables effortless wiring. The shape of the spring and the connected clamping mechanism make it so that you are not working against the force of the contact spring during conductor entry.





The X on the pusher

The distinctive X on the pusher makes it easy to identify the Push-X connection technology. The X shape also makes it easy to use a flat- or cross-head screwdriver to release the conductor.

Pretensioning the contact spring

The recess on the sliding piece is responsible for pretensioning the contact spring. As soon as the sliding piece has been pushed to the limit position via the orange pusher, the bottom part hooks onto the spring. This holds the sliding piece in the limit position and thus keeps the contact spring pushed away from the current bar. The spring is pretensioned for rewiring.

Triggering the clamping mechanism

This part of the spring is responsible for pretensioning and releasing the contact spring. As soon as the sliding piece reaches the limit position, this part springs into the recess on the sliding piece. This holds the sliding piece in the limit position. Now, when a conductor is inserted all the way into the clamping chamber, the conductor pushes the spring out of the recess on the sliding piece. This causes the sliding piece and pusher to spring up, and the contact spring clamps the conductor in a flash.

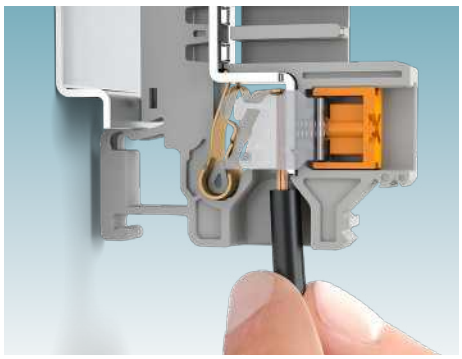
High quality

The current bar is made from a hard-faced copper alloy. This ensures maximum current transfer.

Feed-through and multi-conductor terminal blocks

The new XTV terminal blocks are the first terminal blocks on the market with integrated Push-X technology. The quick and effortless connection technology enables you to connect conductors in no time at all. The new terminal block family consists of feed-through terminal blocks and multi-conductor terminal blocks in nominal cross-sections of 6, 10, and 16 mm². This enables you to wire conductor cross-sections between 1.5 and 25 mm². For universal lateral spring wiring, a larger conductor cross-section range of 0.14 to 185 mm² is possible with the PTV and PTPOWER terminal block families.

phoenixcontact.com/push-x

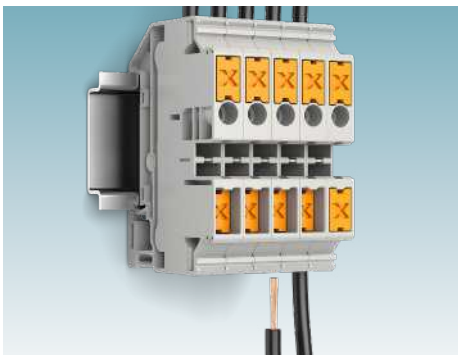


Highly convenient operation

With the ingenious structure of the clamping chamber, the Push-X technology enables direct and almost effortless conductor connection.

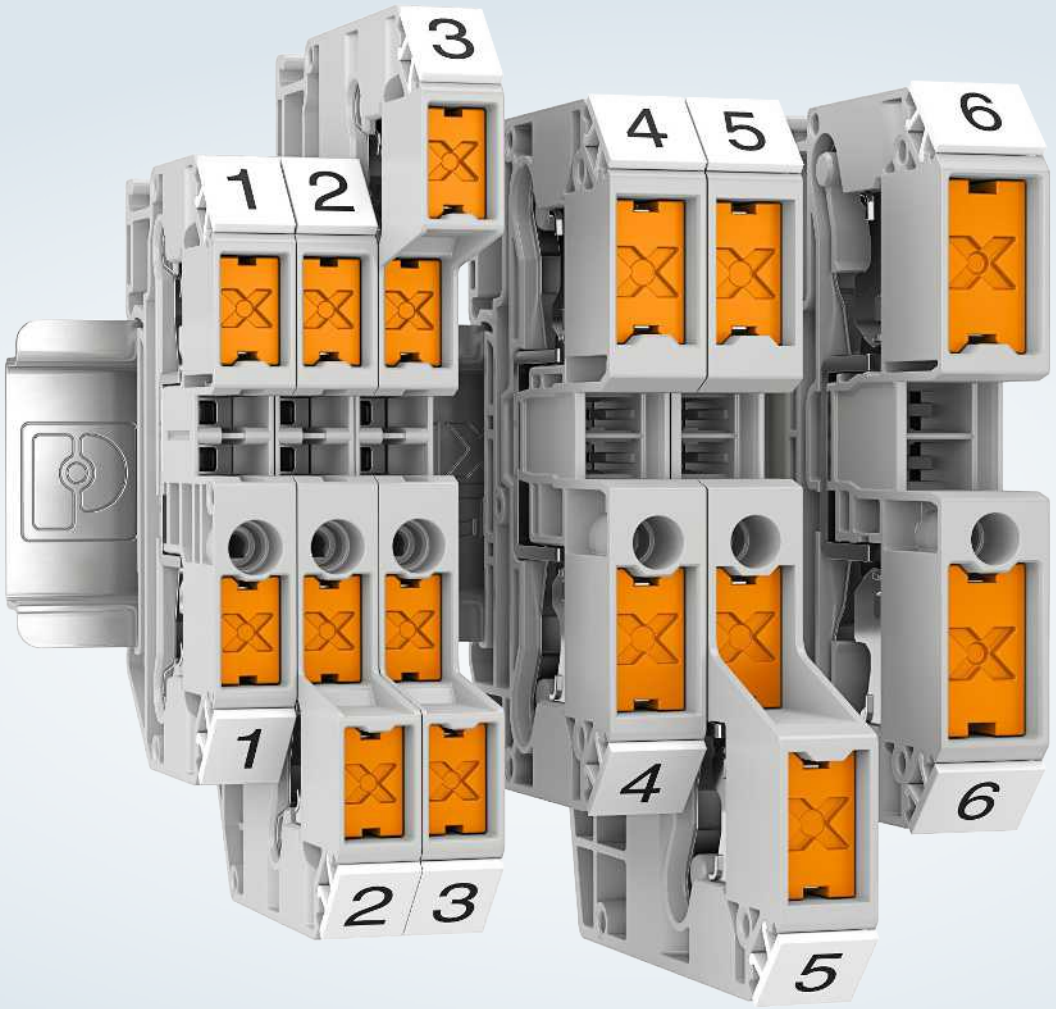
Greater flexibility

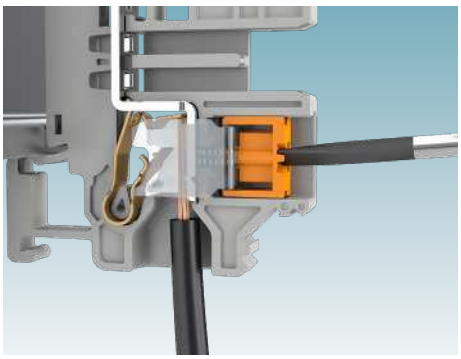
Owing to the low effort requirement, Push-X makes it possible to wire rigid and flexible conductors with or without ferrules. Even the smallest flexible conductors can be wired quickly and easily without ferrules.



Reduced installation times

With the open connection chamber and the elimination of conductor pretreatment, Push-X is one of the fastest and most flexible connection technologies on the market.



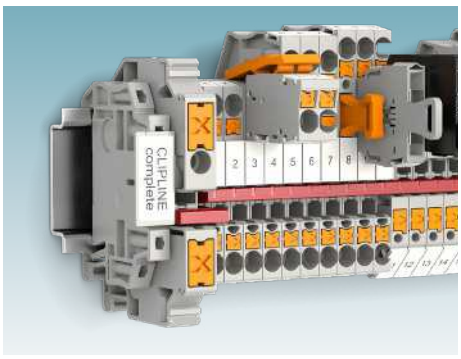


Easy release and tensioning

By pressing down the orange pusher, the conductor can be released quickly and easily. At the same time, the contact spring is pretensioned for rewiring.

Clear overview

Clear identification of the conductor connection by means of the force-guided pusher element and a clear overview of the terminal marking owing to the lateral conductor connection.



Highly compatible

The XTV terminal blocks with integrated Push-X technology are part of the CLIPLINE complete system. This enables the comprehensive use of standardized bridging, marking, and test accessories.

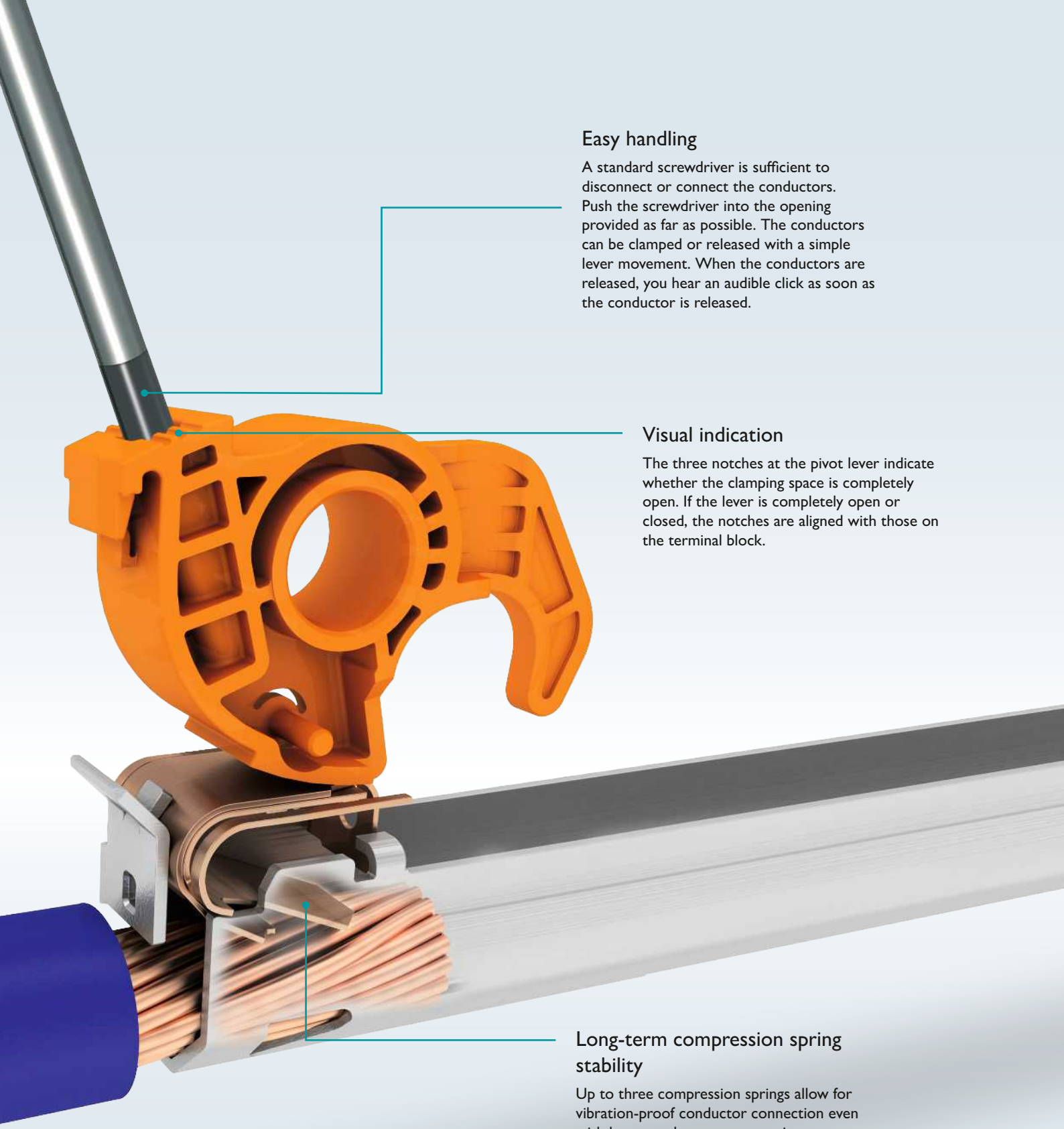
PTPOWER high-current terminal blocks

The Power-Turn spring connection technology allows large conductors to be connected quickly and easily using a standard screwdriver and a single lever movement. Alternatively, you can directly insert conductors even when the lever is closed using the Push-in technology.

Up to three high-quality spring steel compression springs work with the prismatic terminal body base to create a vibration-resistant conductor connection that is stable in the long term.

Simple plugging

The conductors can be inserted both in open and in closed clamping spaces. However, we recommend installing the conductors in open clamping spaces. This prevents mechanical preloads, and the conductors can be clamped easily and quickly.



Easy handling

A standard screwdriver is sufficient to disconnect or connect the conductors. Push the screwdriver into the opening provided as far as possible. The conductors can be clamped or released with a simple lever movement. When the conductors are released, you hear an audible click as soon as the conductor is released.

Visual indication

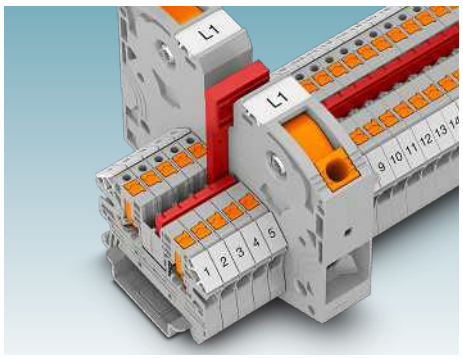
The three notches at the pivot lever indicate whether the clamping space is completely open. If the lever is completely open or closed, the notches are aligned with those on the terminal block.

Long-term compression spring stability

Up to three compression springs allow for vibration-proof conductor connection even with large conductor cross-sections up to 185 mm².

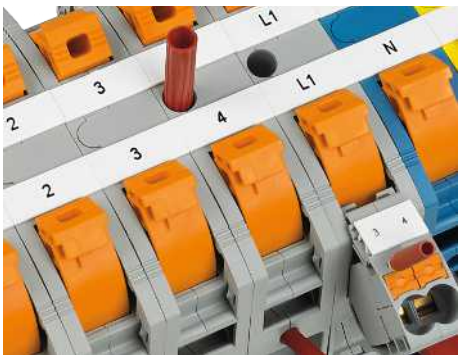
High-current terminal blocks

PTPOWER high-current terminal blocks with Power-Turn connection technology provide you with a quick, user-friendly connection option for wiring large conductors. The terminal blocks are available in nominal cross sections of 35, 50, 95, and 185 mm². This makes it possible to easily wire conductor cross-sections between 2.5 and 185 mm².



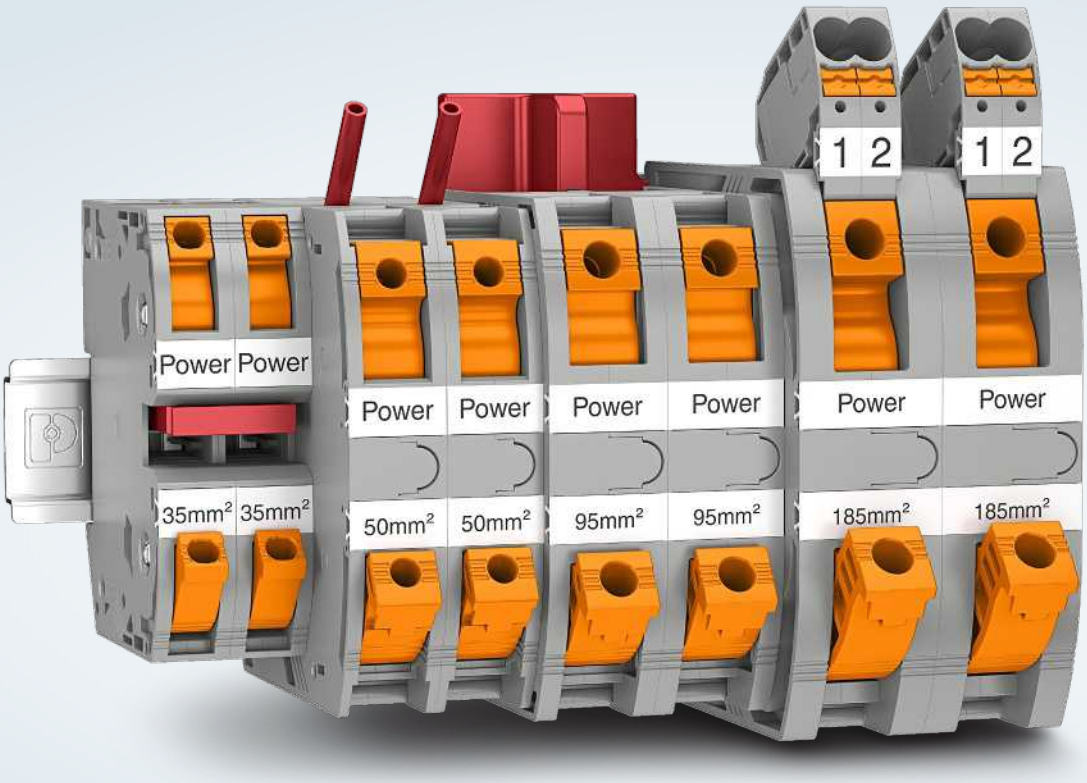
PTPOWER as feed-in terminal

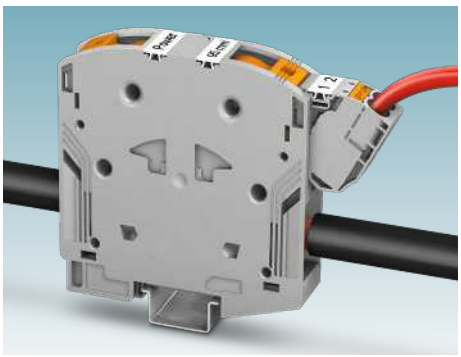
In the PTPOWER 35, the reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease. Power blocks can be created at speed with the reducing bridge.



Easy testing

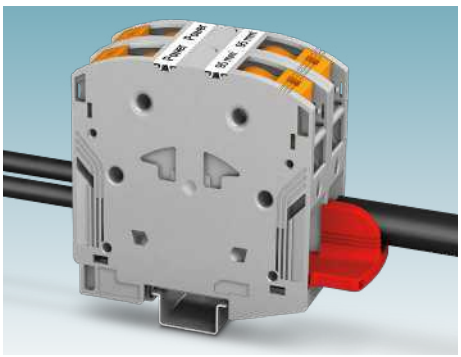
The terminal blocks have test points on both sides for standard test plugs with a diameter of 2.3 mm. High-current terminal block versions with 4 mm test points in the terminal center are available for the use of 4 mm test plugs.





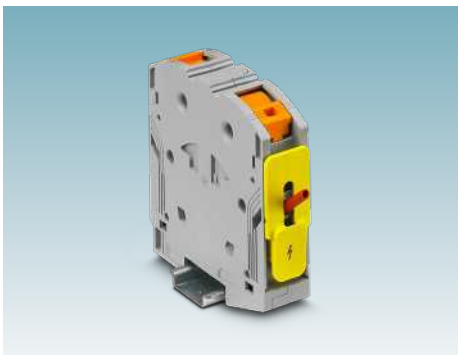
Safe voltage pick-off

With the fully insulated pick-off terminal block that can be snapped on as an option, you can easily create voltage pick-offs for a maximum of two conductors up to 16 mm². The pick-off terminals with integrated 2.3 mm test point can even be marked.



Easy potential distribution

Distribute potentials with the insulated insertion bridges. The bridges can be installed easily without any tools and snap securely into the clamping space. With their special design, they can also easily be identified even after conductor connection.



Touch protection

An optional touch protection element was developed to ensure safety when handling the high-current terminal blocks. Unintentional touching of current-conducting components is prevented by the touch protection.

Product overview for PTV terminal blocks

Feed-through terminal blocks (two-conductor terminal blocks)



Color	**Gray**	PTV 2,5	1078960	PTV 4	1088728	PTV 6	1116734
	Blue	PTV 2,5 BU	1078962	PTV 4 BU	1088729	PTV 6 BU	1116735
	Black	PTV 2,5 BK	1291482	PTV 4 BK	1291849	PTV 6 BK	1291906
	Green	PTV 2,5 GN	1291485	PTV 4 GN	1291850	PTV 6 GN	1291913
	Orange	PTV 2,5 OG	1291488	PTV 4 OG	1291851	PTV 6 OG	1292080
	Red	PTV 2,5 RD	1291478	PTV 4 RD	1291847	PTV 6 RD	1291904
PE version		PTV 2,5-PE	1078963	PTV 4-PE	1088730	PTV 6-PE	1116736
Width / length / height		5.2 mm / 50.8 mm / 35.3 mm		6.2 mm / 50.8 mm / 35.3 mm		8.2 mm / 61 mm / 42.2 mm	
Current / voltage // UL		24 A / 800 V // 20 A / 600 V		32 A / 1000 V // 30 A / 600 V		41 A / 1000 V // 40 A / 600 V	
Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12		0.2 mm² ... 6 mm² / 24 ... 10		0.5 mm² ... 10 mm² / 20 ... 8	

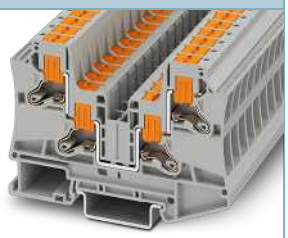
Feed-through terminal blocks (three-conductor terminal blocks)



Color	**Gray**	PTV 2,5-TWIN	1078966	PTV 4-TWIN	1088731	PTV 6-TWIN	1116737
	Blue	PTV 2,5-TWIN BU	1078971	PTV 4-TWIN BU	1088732	PTV 6-TWIN BU	1116738
	Black	PTV 2,5-TWIN BK	291495	PTV 4-TWIN BK	1291852	PTV 6-TWIN BK	1291918
	Green	PTV 2,5-TWIN GN	1291498	PTV 4-TWIN GN	1291853	PTV 6-TWIN GN	1291919
	Orange	PTV 2,5-TWIN OG	1291502	PTV 4-TWIN OG	1291854	PTV 6-TWIN OG	1291922
	Red	PTV 2,5-TWIN RD	1291491	PTV 4-TWIN RD	1292078	PTV 6-TWIN RD	1291917
PE version		PTV 2,5-TWIN-PE	1078991	PTV 4-TWIN-PE	1088733	PTV 6-TWIN-PE	1116739
Width / length / height		5.2 mm / 60.0 mm / 45.7 mm		6.2 mm / 60.0 mm / 45.7 mm		8.2 mm / 72.9 mm / 57.6 mm	
Current / voltage // UL		24 A / 800 V // 20 A / 600 V		32 A / 1000 V // 30 A / 600 V		41 A / 1000 V // 40 A / 600 V	
Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12		0.2 mm² ... 6 mm² / 24 ... 10		0.5 mm² ... 10 mm² / 20 ... 8	

Feed-through terminal blocks (four-conductor terminal blocks)

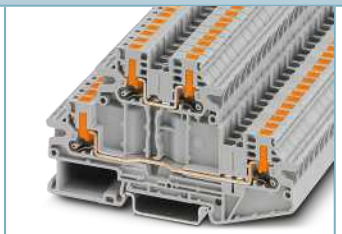




Color	**Gray**	PTV 2,5-QUATTRO	1078999	PTV 4-QUATTRO	1088734	PTV 6-QUATTRO	1116871
	Blue	PTV 2,5-QUATTRO BU	1079006	PTV 4-QUATTRO BU	1088735	PTV 6-QUATTRO BU	1116740
	Black	PTV 2,5-QUATTRO BK	1291510	PTV 4-QUATTRO BK	1291898	PTV 6-QUATTRO BK	1291928
	Green	PTV 2,5-QUATTRO GN	1291513	PTV 4-QUATTRO GN	1291899	PTV 6-QUATTRO GN	1291930
	Orange	PTV 2,5-QUATTRO OG	1291517	PTV 4-QUATTRO OG	1291900	PTV 6-QUATTRO OG	1291931
	Red	PTV 2,5-QUATTRO RD	1291506	PTV 4-QUATTRO RD	1291897	PTV 6-QUATTRO RD	1291927
PE version		PTV 2,5-QUATTRO-PE	1079012	PTV 4-QUATTRO-PE	1088736	PTV 6-QUATTRO-PE	1116741
Width / length / height		5.2 mm / 69.2 mm / 45.7 mm		6.2 mm / 69.2 mm / 45.7 mm		8.2 mm / 84.7 mm / 57.6 mm	
Current / voltage // UL		24 A / 800 V // 20 A / 600 V		32 A / 1000 V // 30 A / 600 V		41 A / 1000 V // 40 A / 600 V	
Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12		0.2 mm² ... 6 mm² / 24 ... 10		0.5 mm² ... 10 mm² / 20 ... 8	

Double-level terminal blocks

Fuse terminal blocks



Color	**Gray | black**	PTTBV 2,5	1079073	PTTBV 4	1088737	PTV 4-HESI (5x20)	1088742
	Blue | black	PTTBV 2,5 BU	1079074	PTTBV 4 BU	1088738	PTV 4-HESILED 24 (5x20)	1088743
	- | black					PTV 4-HESILED 60 (5x20)	1088744
	- | black					PTV 4-HESILA 250 (5x20)	1088745
PE version		PTTBV 2,5-PE	1079076	PTTBV 4-PE	1088774		
PV version		PTTBV 2,5-PV	1079075	PTTBV 4-PV	1088939		
Width / length / height		5.2 mm / 99.5 mm / 56 mm		6.2 mm / 99.5 mm / 56 mm		6.2 mm / 63.4 mm / 57.3 mm	
Current / voltage // UL		22 A / 800 V // 20 A / 300 V		28 A / 800 V // 30 A / 600 V		6.3 A / 500 V // 16 A / 300 V	
Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12		0.2 mm² ... 6 mm² / 24 ... 10		0.2 mm² ... 6 mm² / 24 ... 10	

Product overview for PTV terminal blocks

Disconnect terminal blocks (two-conductor terminal blocks)



Color	**Gray**	PTVC 2,5-TG	1079061	PTV 2,5-TG	1079065	PTV 4-TG	1088741
Width / length / height		5.2 mm / 50.8 mm / 35.3 mm		5.2 mm / 63.3 mm / 35.3 mm		6.2 mm / 63.3 mm / 35.3 mm	
Current / voltage // UL		20 A / 400 V // 20 A / 300 V				20 A / 500 V // 16 A / 300 V	
Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12				0.2 mm² ... 6 mm² / 24 ... 10	

Disconnect terminal blocks (multi-conductor terminal blocks)


Color	**Gray**	PTV 2,5-TWIN-TG	1079069	PTV 2,5-QUATTRO-TG	1079072
Width / length / height		5.2 mm / 72.5 mm / 45.7 mm		5.2 mm / 81.7 mm / 45.7 mm	
Current / voltage // UL		20 A / 400 V // 20 A / 300 V			
Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12			

Knife-disconnect terminal blocks (two-conductor terminal blocks)



Color	**Gray**	PTVC 2,5-MT	1079059	PTV 2,5-MT	1079063	PTV 4-MT	1088739
	Blue	PTVC 2,5-MT BU	1079060	PTV 2,5-MT BU	1079064	PTV 4-MT BU	1088740
Width / length / height		5.2 mm / 50.8 mm / 35.3 mm		5.2 mm / 63.3 mm / 35.3 mm		6.2 mm / 63.3 mm / 35.3 mm	
Current / voltage // UL		20 A / 400 V // 20 A / 300 V				20 A / 500 V // 16 A / 300 V	
Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12				0.2 mm² ... 6 mm² / 24 ... 10	

Knife-disconnect terminal blocks (multi-conductor terminal blocks)						
						
Color	**Gray**	PTV 2,5-TWIN-MT	1079066	PTV 2,5-QUATTRO-MT	1079070	
	Blue	PTV 2,5-TWIN-MT BU	1079067	PTV 2,5-QUATTRO-MT BU	1079071	
Width / length / height		5.2 mm / 72.5 mm / 45.7 mm		5.2 mm / 81.7 mm / 45.7 mm		
Current / voltage // UL		20 A / 400 V // 20 A / 300 V				
Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12				

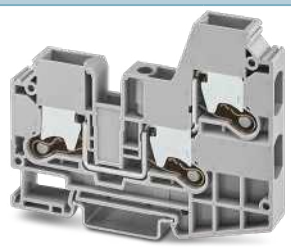
Transformer terminal blocks						
						
Color	**Gray**	PTVME 6/S	1164788	PTVME 6/S-P	1166809	
Width / length / height		8.2 mm / 82 mm / 54.9 mm		8.2 mm / 100.8 mm / 49.6 mm		
Current / voltage // UL		30 A / 1000 V // - / -				
Cross-section range / AWG		0.5 mm² ... 6 mm² / 20 ... 10				

Product overview for XTV terminal blocks

Feed-through terminal blocks

							
Color	**Gray**	XTV 6	1329493	XTV 10	1329547	XTV 16	1329672
	Blue	XTV 6 BU	1329494	XTV 10 BU	1329549	XTV 16 BU	1329673
PE version		XTV 6-PE	1329495	XTV 10-PE	1329550	XTV 16-PE	1329674
Width / length / height		8.2 mm / 62.8 mm / 36.2 mm		10.2 mm / 72.0 mm / 42.8 mm		12.2 mm / 77.2 mm / 43.8 mm	
Current / voltage // UL		41 A / 1000 V // 40 A / 600 V		57 A / 1000 V // 55 A / 600 V		76 A / 1000 V // 75 A / 1000 V	
Rigid / flexible [mm²] // AWG		0.5 … 10 / 1.5 … 10 // 20 … 8		1.0 … 16 / 2.5 … 16 // 16 … 6		1.5 … 25 / 4 … 25 // 14 … 4	

Multi-conductor terminal blocks (three-conductor terminal blocks)

							
Color	**Gray**	XTV 6-TWIN	1329499	XTV 10-TWIN	01329603	XTV 6-QUATTRO	1329511
	Blue	XTV 6-TWIN BU	1329506	XTV 10-TWIN BU	1329605	XTV 6-QUATTRO BU	1329512
PE version		XTV 6-TWIN-PE	1329507	XTV 10-TWIN-PE	1329606	XTV 6-QUATTRO-PE	1329513
Width / length / height		8.2 mm / 76.7 mm / 51.4 mm		10.2 mm / 89.1 mm / 62.5 mm		8.2 mm / 90.6 mm / 51.4 mm	
Current / voltage // UL		41 A / 1000 V // 40 A / 600 V		57 A / 1000 V // 55 A / 600 V		41 A / 1000 V // 40 A / 600 V	
Rigid / flexible [mm²] // AWG		0.5 … 10 / 1.5 … 10 // 20 … 8		1.0 … 16 / 2.5 … 16 // 16 … 6		0.5 … 10 / 1.5 … 10 // 20 … 8	

High-current terminal blocks (DIN rail version)

							
Color	**Gray**	PTPOWER 35	3212064	PTPOWER 50	3260050	PTPOWER 95	3260100
	Blue	PTPOWER 35 BU	3212065	PTPOWER 50 BU	3260051	PTPOWER 95 BU	3260103
PE version		PTPOWER 35-PE	3212066	PTPOWER 50-PE	3260052	PTPOWER 95-PE	3260106
FE version		PTPOWER 35-FE	3212081	PTPOWER 50-FE	3260063	PTPOWER 95-FE	3260139
Width / length / height		16 mm / 91.6 mm / 68.3 mm		20 mm / 101 mm / 96 mm		25 mm / 105.5 mm / 99.8 mm	
Current / voltage // UL		125 A / 1000V // 115 A / 1000 V		150 A / 1000 V // 140 A / 1000 V		232 A / 1000 V // 230 A / 1000 V	
Cross-section range / AWG		2.5 mm² ... 35 mm² / 14 ... 2		10 mm² ... 70 mm² / 8 ... 2/0		25 mm² ... 95 mm² / 4 ... 4/0	
							
Color	**Gray**	PTPOWER 185	1054722				
	Blue	PTPOWER 185 BU	1054723				
FE version		PTPOWER 185-FE	1054724				
Width / length / height		31 mm / 116.4 mm / 108.3 mm					
Current / voltage // UL		309 A / 1000 V // 290 A / 1000 V					
Cross-section range / AWG		95 mm² ... 185 mm² / 3/0 ... 350					
The P versions are equipped with an additional test point above the terminal block.							
Color	**Gray**	PTPOWER 50 P	3260065	PTPOWER 95 P	3260163	PTPOWER 185 P	1054725
	Blue	PTPOWER 50 P BU	3260066	PTPOWER 95 P BU	3260166	PTPOWER 185 P BU	1054726
Width / length / height		20 mm / 101 mm / 96 mm		25 mm / 105.5 mm / 99.8 mm		31 mm / 116.4 mm / 108.3 mm	
Current / voltage // UL		150 A / 1000 V // 140 A / 1000 V		232 A / 1000 V // 230 A / 1000 V		309 A / 1000 V // 290 A / 1000 V	
Cross-section range / AWG		10 mm² ... 70 mm² / 8 ... 2/0		25 mm² ... 95 mm² / 4 ... 4/0		95 mm² ... 185 mm² / 3/0 ... 350	

Product overview for PTPOWER terminal blocks

High-current terminal blocks (flange version)							
							
Color	**Gray**	PTPOWER 35-F	3212078	PTPOWER 50-F	3260061	PTPOWER 95-F	3260133
	Blue	PTPOWER 35-F BU	3212079	PTPOWER 50-F BU	3260062	PTPOWER 95-F BU	3260136
FE version		PTPOWER 35-FE-F	3212082	PTPOWER 50-FE-F	3260064	PTPOWER 95-FE-F	3260142
Width / length / height		16 mm / 91.6 mm / 68.3 mm		20 mm / 101 mm / 96 mm		25 mm / 105.5 mm / 99.8 mm	
Current / voltage // UL		125 A / 1000 V // 115 A / 1000 V		150 A / 1000 V // 140 A / 1000 V		232 A / 1000 V // 230 A / 1000 V	
Cross-section range / AWG		2.5 mm² ... 35 mm² / 12 ... 2		10 mm² ... 70 mm² / 8 ... 2/0		25 mm² ... 95 mm² / 4 ... 4/0	
							
Color	**Gray**	PTPOWER 185-F	1054732				
	Blue	PTPOWER 185-F BU	1054733				
FE version		PTPOWER 185-FE-F	1054734				
Width / length / height		31 mm / 116.4 mm / 108.3 mm					
Current / voltage // UL		309 A / 1000 V // 290 A / 1000 V					
Cross-section range / AWG		95 mm² ... 185 mm² / 3/0 ... 350					
The P versions are equipped with an additional test point above the terminal block.							
Color	**Gray**	PTPOWER 50 P-F	1091232	PTPOWER 95 P-F	1091239	PTPOWER 185 P-F	1054739
FE version		PTPOWER 50 P-FE-F	1091233	PTPOWER 95 P-FE-F	1091240		
Width / length / height		20 mm / 101 mm / 96 mm		25 mm / 105.5 mm / 99.8 mm		31 mm / 116.4 mm / 108.3 mm	
Current / voltage // UL		150 A / 1000 V // 140 A / 1000 V		232 A / 1000 V // 230 A / 1000 V		309 A / 1000 V // 290 A / 1000 V	
Cross-section range / AWG		10 mm² ... 70 mm² / 8 ... 2/0		25 mm² ... 95 mm² / 4 ... 4/0		95 mm² ... 185 mm² / 3/0 ... 350	

High-current terminal blocks (complete block)

L = gray N = blue FE = black-yellow The dimensions refer to a single terminal block.						
3 x gray	PTPOWER 35-3L	3212068	PTPOWER 50-3L	3260053	PTPOWER 95-3L	3260109
3 x gray, 1 x black-yellow	PTPOWER 35-3L/FE	3212070	PTPOWER 50-3L/FE	3260055	PTPOWER 95-3L/FE	3260115
3 x gray, 1 x blue	PTPOWER 35-3L/N	3212069	PTPOWER 50-3L/N	3260054	PTPOWER 95-3L/N	3260112
3 x gray, 1 x blue, 1 x black-yellow	PTPOWER 35-3L/N/FE	3212071	PTPOWER 50-3L/N/FE	3260056	PTPOWER 95-3L/N/FE	3260118
Width / length / height	16 mm / 91.6 mm / 69.3 mm		20 mm / 101 mm / 96 mm		25 mm / 105.5 mm / 99.8 mm	
Current / voltage // UL	125 A / 1000 V // 115 A / 1000 V		150 A / 1000 V // 140 A / 1000 V		232 A / 1000 V // 230 A / 1000 V	
Cross-section range / AWG	2.5 mm² ... 35 mm² / 12 ... 2		10 mm² ... 70 mm² / 8 ... 2/0		25 mm² ... 95 mm² / 4 ... 4/0	
L = gray N = blue FE = black-yellow The dimensions refer to a single terminal block.						
3 x gray	PTPOWER 185-3L	1054728	PTPOWER 35-3L-F	3212072	PTPOWER 50-3L-F	3260057
3 x gray, 1 x black-yellow	PTPOWER 185-3L/FE	1054730	PTPOWER 35-3L/FE-F	3212075	PTPOWER 50-3L/FE-F	3260059
3 x gray, 1 x blue	PTPOWER 185-3L/N	1054729	PTPOWER 35-3L/N-F	3212073	PTPOWER 50-3L/N-F	3260058
3 x gray, 1 x blue, 1 x black-yellow	PTPOWER 185-3L/N/FE	1054731	PTPOWER 35-3L/N/FE-F	3212076	PTPOWER 50-3L/N/FE-F	3260060
Width / length / height	31 mm / 116.4 mm / 108.3 mm		16 mm / 91.6 mm / 68.3 mm		20 mm / 101 mm / 96 mm	
Current / voltage // UL	309 A / 1000 V // 290 A / 1000 V		125 A / 1000 V // 115 A / 1000 V		150 A / 1000 V // 140 A / 1000 V	
Cross-section range / AWG	95 mm² ... 185 mm² / 3/0 ... 350		2.5 mm² ... 35 mm² / 12 ... 2		10 mm² ... 70 mm² / 8 ... 2/0	
L = gray N = blue FE = black-yellow The dimensions refer to a single terminal block.						
3 x gray	PTPOWER 95-3L-F	3260121	PTPOWER 185-3L-F	1054735		
3 x gray, 1 x black-yellow	PTPOWER 95-3L/FE-F	3260127	PTPOWER 185-3L/FE-F	1054737		
3 x gray, 1 x blue	PTPOWER 95-3L/N-F	3260124	PTPOWER 185-3L/N-F	1054736		
3 x gray, 1 x blue, 1 x black-yellow	PTPOWER 95-3L/N/FE-F	3260130	PTPOWER 185-3L/N/FE-F	1054738		
Width / length / height	25 mm / 105.5 mm / 99.8 mm		31 mm / 116.4 mm / 108.3 mm			
Current / voltage // UL	232 A / 1000 V // 230 A / 1000 V		309 A / 1000 V // 290 A / 1000 V			
Cross-section range / AWG	25 mm² ... 95 mm² / 4 ... 4/0		95 mm² ... 185 mm² / 3/0 ... 350			

Product overview for the PTVFIX distribution blocks

2.5 mm² PTVFIX distribution blocks				Connection versions		
	**Mounting: Base block**			Number	Type	Item number
	Type	Item number	PTVFIX 6X2,5 GY 1019563	2 12 18	PTVFIX 2X2,5 GY PTVFIX 12X2,5 GY PTVFIX 18X2,5 GY	1019459 1019572 1019577
	Number of connections		6			
	Current / voltage		24 A / 450 V			
	Cross-section range / AWG		0.14 mm² … 2.5 mm² / 26 … 14			
	**Mounting: Adhesive version**			Number	Type	Item number
	Type	Item number	PTVFIX 6X2,5-G GY 1019652	12 18	PTVFIX 12X2,5-G GY PTVFIX 18X2,5-G GY	1186862 1186867
	Number of connections		6			
	Current / voltage		24 A / 450 V			
	Cross-section range / AWG		0.14 mm² … 2.5 mm² / 26 … 14			
	**Mounting: NS 35 DIN rail, lengthwise**			Number	Type	Item number
	Type	Item number	PTVFIX 6X2,5-NS35A GY 1019526	12 18	PTVFIX 12X2,5-NS35A GY PTVFIX 18X2,5-NS35A GY	1019532 1019537
	Number of connections		6			
	Current / voltage		24 A / 690 V			
	Cross-section range / AWG		0.14 mm² … 2.5 mm² / 26 … 14			
	**Mounting: Base block**			Number	Type	Item number
	Type	Item number	PTVFIX 6/6X2,5 GY 1019582	13 19	PTVFIX 6/12X2,5 GY PTVFIX 6/18X2,5 GY	1019608 1019613
	Number of connections		7			
	Current / voltage		24 A / 450 V			
	Cross-section range / AWG		0.14 mm² … 2.5 mm² / 26 … 14			
	Line contact: Cross-section range / AWG		0.5 mm² … 6 mm² / 20 … 10			
	**Mounting: Adhesive version**			Number	Type	Item number
	Type	Item number	PTVFIX 6/6X2,5-G GY 1186872	13 19	PTVFIX 6/12X2,5-G GY PTVFIX 6/18X2,5-G GY	1186877 1186882
	Number of connections		7			
	Current / voltage		24 A / 450 V			
	Cross-section range / AWG		0.14 mm² … 2.5 mm² / 26 … 14			
	Line contact: Cross-section range / AWG		0.5 mm² … 6 mm² / 20 … 10			
	**Mounting: NS 35 DIN rail, lengthwise**			Number	Type	Item number
	Type	Item number	PTVFIX 6/6X2,5-NS35A GY 1019542	13 19	PTVFIX 6/12X2,5-NS35A GY PTVFIX 6/18X2,5-NS35A GY	1019547 1019556
	Number of connections		7			
	Current / voltage		24 A / 690 V			
	Cross-section range / AWG		0.14 mm² … 2.5 mm² / 26 … 14			
	Line contact: Cross-section range / AWG		0.5 mm² … 6 mm² / 20 … 10			

2.5 mm² multi-blocks				Connection versions		
	**Mounting: Base block**			Number	Type	Item number
	Type	Item number	PTVFIX 2,5/2 1300608	6 8 10	PTVFIX 2,5/3 PTVFIX 2,5/4 PTVFIX 2,5/5	1300609 1300610 1300611
	Number of connections		4			
	Current / voltage		24 A / 690 V			
	Cross-section range / AWG		0.14 mm² … 2.5 mm² / 26 … 14			
	**Mounting: Base block**			Number	Type	Item number
	Type	Item number	PTVFIX 2,5-L/N/GNYE 1300612			
	Number of connections		6			
	Current / voltage		24 A / 690 V			
	Cross-section range / AWG		0.14 mm² … 2.5 mm² / 26 … 14			
	**Mounting: Base block**			Number	Type	Item number
	Type	Item number	PTVFIX 2,5-3L/N/GNYE 1300613			
	Number of connections		10			
	Current / voltage		24 A / 690 V			
	Cross-section range / AWG		0.14 mm² … 2.5 mm² / 26 … 14			

Color versions and configurator

Color versions
The PTVFIX distribution blocks are available in five different basic colors. These colors are gray, blue, red, green, and black. More colors are available exclusively through the online configurator. The extra abbreviation at the end of the item designation denotes the color version of the individual distribution blocks. The abbreviation for a gray item is GY. The abbreviations stand for the English color designation. For an overview of the range of colors, the table below lists the various color versions and their abbreviations.

Configurator
Using the online configurator for distribution blocks, you can easily configure your individual distribution block solution via drag and drop with 3D visualization. The configurator guides you through the configuration process step by step, thus ensuring an error-free configuration. Configure your individual distribution block by choosing from fixed-position distribution blocks and collection blocks, as well as modular single blocks. In just a few clicks, the configurator creates the desired product with the required colors and mounting type and with your specified printing.

Color		Abbreviation
Gray		GY
Blue		BU
Red		RD
Yellow		YE
Green		GN
Brown		BN
White		WH
Black		BK
Violet		VT
Pink		PK
Orange		OG
Blue-white		BUWH
Black-yellow		FE
Green-yellow		GNYE

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Our wide range of innovative products makes it easy for our customers to implement the latest technology in a variety of applications and industries. This especially applies to the target markets of energy, infrastructure, industry, and mobility.

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