

Distribution blocks and device terminal blocks

Distribution blocks and device terminal blocks

Distribution blocks and device terminal blocks feature a compact and modular design. The product families differ mainly in structure due to the intended installation locations. The distribution blocks were developed for potential distribution. They are also suitable for more complex tasks due to the availability of single blocks and function versions. The device terminal blocks, on the other hand, are particularly suitable for the grid connection of electrical and electronic devices.



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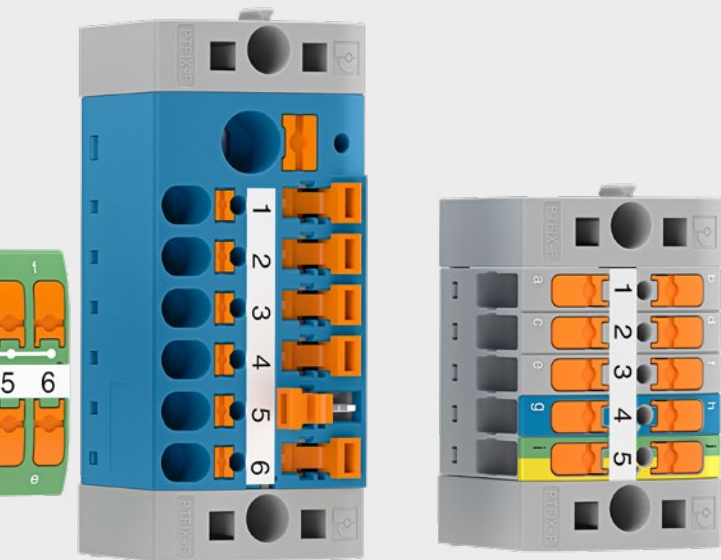
FIX distribution blocks

The ready-to-connect FIX distribution blocks are available in different cross-sections, numbers of connections, mounting types, and colors. They can be used immediately and can be extended as needed. The modular design and the integrated bridging support efficient and cost-effective load and control current distribution.

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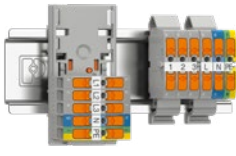


2 FIX device terminal blocks

Device terminal blocks are primarily used in grid connections for electrical and electronic devices and in small junction boxes. The blocks have separate potentials and are available in 2-, 3-, 4-, and 5-pos. blocks.

➤ More information starting on page 24

Properties of the FIX block system

Comparison of distribution blocks and device terminal blocks		
		
Product family	Distribution blocks	Device terminal blocks
Connection method	Push-in connection	
Conductor entry	Front / Vertical	
Integrated bridging	Yes	No
Terminal points	2, 4, 6, 7, 12, 13, 18, 19	4, 6, 8, 10
Feed-in	Yes / No	No
Number of positions	1	2, 3, 4, 5
Nominal cross-sections [mm²]	1.5 / 2.5 / 4 / 10	2.5
Mounting types	Direct mounting (flange, securing pin, adhesive), DIN rail mounting (crosswise and lengthwise)	
Testing options	Special test pick-offs	
Online configurator	Yes	
Integrated functions	Yes / No	No

Conductor entry

The FIX block system has blocks with two different conductor entry directions. The PTFIX versions have front conductor entry, whereas the PT(V)FIX blocks have a lateral connection direction.

As with the PTV or XTV terminal blocks, the “V” stands for “Vertical”, which indicates the vertical conductor connection direction in the installed state on the DIN rail.



PTFIX



PTVFIX

Potential extension

The FIX block system consists of distribution blocks with up to 18 distribution connections per block. If required, additional blocks can be connected together via an integrated tongue and groove connection. This makes it possible to connect the potentials of the blocks using the FBS standard plug-in bridges.

In addition to potential extension, the tongue and groove connection also enables the space-saving arrangement of the distribution blocks. For this reason, the tongue and groove connection is an integral part of all blocks in the FIX block system.



FIX distribution blocks with inserted FBS plug-in bridge

Testing options

To ensure that the FIX blocks can be tested easily, the distribution and device terminal blocks have 2.3 mm test pick-offs. The number of test pick-offs depends on the number of potentials within a block. The distribution blocks therefore have one test pick-off and the device terminal blocks have two to five pick-offs depending on the number of potentials.

The function distribution blocks are the exception here. As these blocks are equipped with disconnect functions or fuses, a test pick-off is required for each function path in order to perform various tests and applications.



FIX blocks with inserted MPS test plugs

Marking

The blocks of the FIX block system are equipped with a flat marking groove in the center for clear wiring. This groove enables easy and individual marking with the TML and SK marking material from the Phoenix Contact product range. The marking material can be marked as desired and is self-adhesive. Together with the various block colors of the FIX block system, clear and intuitive installation is ensured.



FIX distribution blocks with plug-in bridge, test plug, and marking

Properties of the FIX block system

Color options

The FIX block system is known for its wide variety of colors and the intuitive wiring associated with this. The various block colors enable the color-accurate and intuitive wiring of conductors and blocks.

Note:

Only the gray block versions are listed in this brochure. You will find the other color versions on our website. To go directly to the appropriate product, use the product name of the respective block and simply change the color abbreviation.

PTFIX 6X2,5 **GY** -> PTFIX 6X2,5 **BU**

GY = Gray

BU = Blue

However, it is important to note that not every product family is available in the colors listed on the right. The actual colors that are available can be seen at the start of every product family or online. Furthermore, additional color versions can be ordered via the online configurator.

Colors		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

Configurator


The online configurator makes it possible to create individual FIX block solutions. In addition to selecting the various FIX blocks, the configurator also enables the selection and positioning of the various mounting adapters. The marking can also be customized. This means that numbers, letters, or symbols in different sizes can be applied to the blocks. Another advantage of the configurator is the ability to select other colors in addition to the standard colors.

Once configured, the configuration can be ordered directly and the finished solution is sent to the customer. Along with ordering, an automatically generated data sheet is also available and, thanks to the generated configuration ID, the project can be accessed and ordered again at any time.



Example illustration of the configurator

To access the configurator, simply enter the following web code in the search field on our website.

 **Web code:** #2041

Properties of the FIX block system

Mounting options for the FIX distribution blocks and device terminal blocks

The FIX block system offers various mounting options, enabling convenient and safe installation even under difficult ambient conditions.

DIN rail mounting

The FIX block system offers various DIN rail adapters for mounting the FIX blocks on a DIN rail. The adapters enable the blocks to be mounted lengthwise and crosswise to the NS 15 and NS 35 DIN rails. DIN rail adapters with end bracket function are also available.

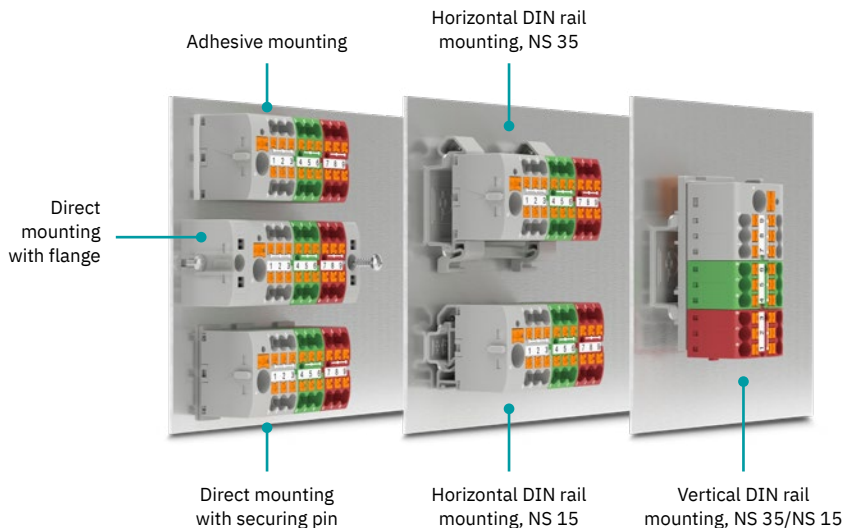
For DIN rail mounting crosswise to the DIN rail, the same adapter can be used for NS 15 and NS 35 DIN rails.

Direct mounting via flange

The FIX block system also offers various options for the user when it comes to direct mounting. One option is flange mounting. To mount via flange, simply snap the flange adapters onto the individual blocks or block solutions. The tongue and groove connection ensures that the flanges are securely connected to the block, which means that the blocks can be screwed on very easily.

Direct mounting via securing pin

Another option for direct mounting is to snap the blocks onto securing pin adapters. To do this, simply attach the blocks to the respective adapter just like when using the DIN rail adapters. Then the securing pins of the adapters can be easily inserted through the predrilled holes and the block is fixed at the planned installation location.



Adhesive mounting

Adhesive mounting is another option. Special blocks are available for adhesive mounting. These blocks are designated with “-G”. The special feature of the blocks is that they have an adhesive strip applied to them, so all you need to do is remove the film before mounting them.

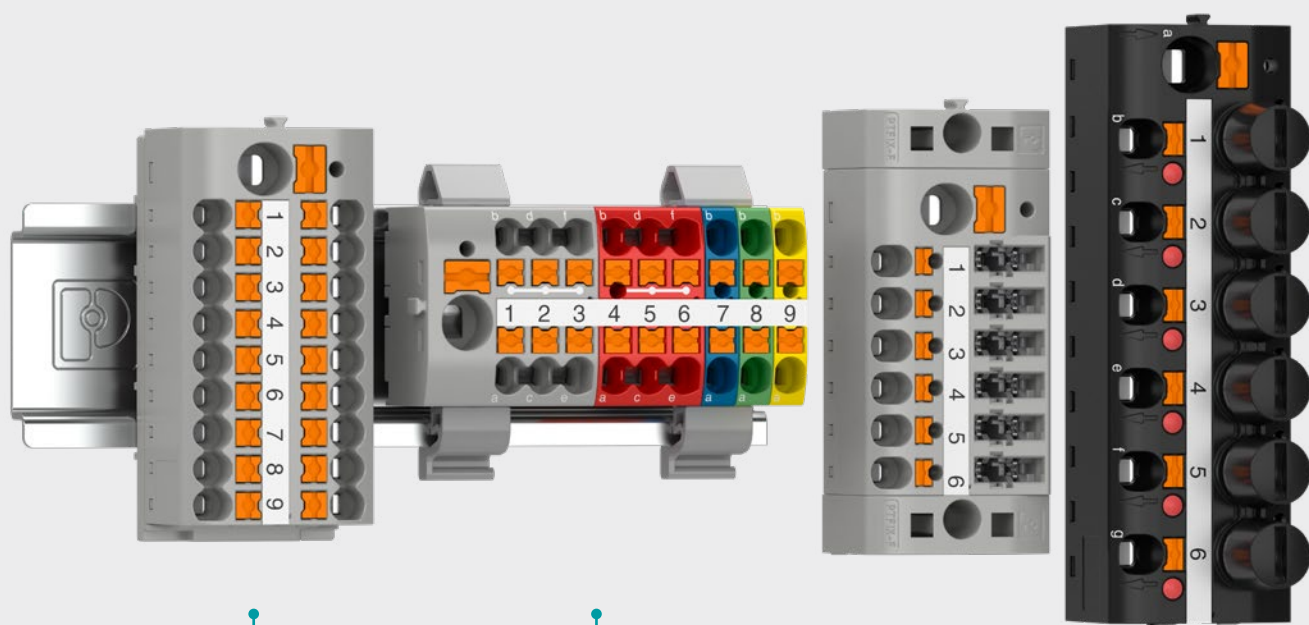
➤ A list of the individual adapters can be found on page 27.

Distribution blocks

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The main difference between the PTVFIX and PTFIX distribution blocks is the direction of the Push-in connection. The PTVFIX blocks have a vertical (lateral) conductor connection, while the PTFIX family is wired with a front Push-in connection.

The blocks also differ with regard to the size of the product range. The established portfolio for PTFIX has been extended over the years, which is why the more recently introduced product range for PTVFIX seems small in comparison at present.



PTFIX distribution blocks with Ex approval

The PTFIX distribution blocks with Ex approval differ from the other distribution blocks in that they feature additional Ex e approval. Furthermore, the portfolio of Ex versions is limited to the essential distribution blocks in gray and blue.

➤ More information starting on page 16

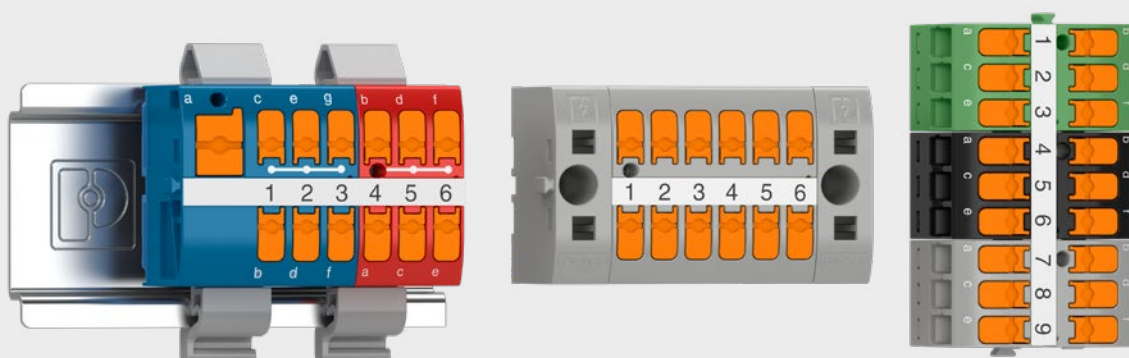
PTFIX distribution blocks

The distribution blocks are characterized by the internal bridging and the front Push-in connection. The distribution blocks are also very compact and can be combined in a flexible and modular way.

➤ More information starting on page 10

Comparison of distribution blocks and function distribution blocks

Product family	PTFIX distribution blocks	PTFIX distribution blocks (Ex e)	PTVFIX distribution blocks	Function distribution blocks
Conductor entry	Front	Front	Vertical	Front
Terminal points	4, 6, 7, 12, 13, 18, 19	4, 6, 7, 12, 13, 18, 19	6, 7, 12, 13, 18, 19	7
Feed-in	Yes / No			Yes
Nominal cross-sections [mm²]	1.5 / 2.5 / 4 / 10	1.5 / 2.5 / 4 / 10	2.5	2.5
Integrated functions	No	No	No	Yes



Function distribution blocks

Like the distribution blocks, the function distribution blocks have internal bridging and a front Push-in connection. The difference lies in the additional function.

➤ More information starting on page 22

PTVFIX distribution blocks

The distribution blocks are characterized by the internal bridging and the lateral Push-in connection. The distribution blocks are also very compact and can be combined in a flexible and modular way.

➤ More information starting on page 20

PTFIX distribution blocks

The PTFIX distribution blocks comprise the largest distribution block portfolio of Phoenix Contact. The blocks are characterized by the simple Push-in direct-connection technology and the FIX factor (PTFIX). The FIX factor implies simple arranging in rows, integrated bridging, and fast setup due to the wide range of mounting options for the distribution block system. The FIX factor therefore stands for quick and easy mounting and installation.

PTFIX – simply unpack, connect, and you're done!



Your advantages

- ✓ Fast installation with ready-to-connect blocks
- ✓ Significant space savings due to the minimal size
- ✓ Flexible mounting options
- ✓ Intuitive installation due to the wide range of colors
- ✓ Standardized accessories – CLIPLINE complete

Color versions

In the following product tables, the reference items listed are the standard gray color version.

You will find the color versions of the individual blocks in our online shop or in the online configurator.

The PTFIX distribution blocks are available in 11 basic and three special colors.





Product overview for PTFIX (gray item versions)


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Distribution blocks

1.5 mm ² distribution and collection blocks				Connection versions		
	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	PTFIX 6X1,5 GY 3002757	2 4 12 18	PTFIX 2X1,5 GY PTFIX 4X1,5 GY PTFIX 12X1,5 GY PTFIX 18X1,5 GY	1045923 1046608 3002758 3002760
	Number of connections		6			
	Current / voltage		17.5 A / 450 V			
	Cross-section range / AWG		0.14 mm ² ... 2.5 mm ² / 26 ... 14			
	Mounting: Adhesive			Number	Type	Item no.
	Type	Item no.	PTFIX 6X1,5-G GY 3002798	12 18	PTFIX 12X1,5-G GY PTFIX 18X1,5-G GY	3002799 3002804
	Number of connections		6			
	Current / voltage		17.5 A / 450 V			
	Cross-section range / AWG		0.14 mm ² ... 2.5 mm ² / 26 ... 14			
	Mounting: NS 15 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	PTFIX 6X1,5-NS15A GY 3002910	12 18	PTFIX 12X1,5-NS15A GY PTFIX 18X1,5-NS15A GY	3002914 3002917
	Number of connections		6			
	Current / voltage		17.5 A / 500 V			
	Cross-section range / AWG		0.14 mm ² ... 2.5 mm ² / 26 ... 14			
	Mounting: NS 35 DIN rail, crosswise			Number	Type	Item no.
	Type	Item no.	PTFIX 18X1,5-NS35 GY 1046949			
	Number of connections		18			
	Current / voltage		17.5 A / 500 V			
	Cross-section range / AWG		0.14 mm ² ... 2.5 mm ² / 26 ... 14			
	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	PTFIX 4/6X1,5 GY 1047466	13 19	PTFIX 4/12X1,5 GY PTFIX 4/18X1,5 GY	1046961 1047418
	Number of connections		7			
	Current / voltage		17.5 A / 450 V			
	Cross-section range / AWG		0.14 mm ² ... 2.5 mm ² / 26 ... 14			
	Feed-in: Cross-section range / AWG		0.2 mm ² ... 6 mm ² / 24 ... 10			
	Mounting: Adhesive			Number	Type	Item no.
	Type	Item no.	PTFIX 4/6X1,5-G GY 1047478	13 19	PTFIX 4/12X1,5-G GY PTFIX 4/18X1,5-G GY	1046973 1047430
	Number of connections		7			
	Current / voltage		17.5 A / 450 V			
	Cross-section range / AWG		0.14 mm ² ... 2.5 mm ² / 26 ... 14			
	Feed-in: Cross-section range / AWG		0.2 mm ² ... 6 mm ² / 24 ... 10			
	Mounting: NS 15 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	PTFIX 4/6X1,5-NS15A GY 1047490	13 19	PTFIX 4/12X1,5-NS15A GY PTFIX 4/18X1,5-NS15A GY	1046985 1047442
	Number of connections		7			
	Current / voltage		17.5 A / 500 V			
	Cross-section range / AWG		0.14 mm ² ... 2.5 mm ² / 26 ... 14			
	Feed-in: Cross-section range / AWG		0.2 mm ² ... 6 mm ² / 24 ... 10			

Product overview for PTFIX (gray item versions)

1.5 mm² distribution and collection blocks			Connection versions		
	Mounting: NS 35 DIN rail, crosswise		Number	Type	Item no.
	Type	Item no. PTFIX 4/18X1,5-NS35 GY 1047454			
	Number of connections	19			
	Current / voltage	17.5 A / 500 V			
	Cross-section range / AWG	0.14 mm² ... 2.5 mm² / 26 ... 14			
	Feed-in: Cross-section range / AWG	0.2 mm² ... 6 mm² / 24 ... 10			






2.5 mm² distribution and collection blocks			Connection versions		
	Base block – without mounting adapter		Number	Type	Item no.
	Type	Item no. PTFIX 6X2,5 GY 3273264	2 12 18	PTFIX 2X2,5 GY PTFIX 12X2,5 GY PTFIX 18X2,5 GY	1028067 3273286 3273308
	Number of connections	6			
	Current / voltage	24 A / 450 V			
	Cross-section range / AWG	0.14 mm² ... 4 mm² / 26 ... 12			
	Mounting: Adhesive		Number	Type	Item no.
	Type	Item no. PTFIX 6X2,5-G GY 3273395	12 18	PTFIX 12X2,5-G GY PTFIX 18X2,5-G GY	3273416 3273438
	Number of connections	6			
	Current / voltage	24 A / 450 V			
	Cross-section range / AWG	0.14 mm² ... 4 mm² / 26 ... 12			
	Mounting: NS 15 DIN rail, lengthwise		Number	Type	Item no.
	Type	Item no. PTFIX 6X2,5-NS15A GY 3274100	12 18	PTFIX 12X2,5-NS15A GY PTFIX 18X2,5-NS15A GY	3274122 3274144
	Number of connections	6			
	Current / voltage	24 A / 690 V			
	Cross-section range / AWG	0.14 mm² ... 4 mm² / 26 ... 12			
	Mounting: NS 35 DIN rail, crosswise		Number	Type	Item no.
	Type	Item no. PTFIX 6X2,5-NS35 GY 3273000	12 18	PTFIX 12X2,5-NS35 GY PTFIX 18X2,5-NS35 GY	3273022 3273044
	Number of connections	6			
	Current / voltage	24 A / 690 V			
	Cross-section range / AWG	0.14 mm² ... 4 mm² / 26 ... 12			
	Mounting: NS 35 DIN rail, lengthwise		Number	Type	Item no.
	Type	Item no. PTFIX 6X2,5-NS35A GY 3273132	12 18	PTFIX 12X2,5-NS35A GY PTFIX 18X2,5-NS35A GY	3273154 3273176
	Number of connections	6			
	Current / voltage	24 A / 690 V			
	Cross-section range / AWG	0.14 mm² ... 4 mm² / 26 ... 12			


Product overview for PTFIX (gray item versions)

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Distribution blocks

2.5 mm² distribution and collection blocks				Connection versions		
	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5 GY 3273330	13 19	PTFIX 6/12X2,5 GY PTFIX 6/18X2,5 GY	3273352 3273374
	Number of connections		7			
	Current / voltage		24 A / 450 V			
	Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm² ... 10 mm² / 26 ... 12			
	Mounting: Adhesive			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5-G GY 3273460	13 19	PTFIX 6/12X2,5-G GY PTFIX 6/18X2,5-G GY	3273482 3273504
	Number of connections		7			
	Current / voltage		24 A / 450 V			
	Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm² ... 10 mm² / 26 ... 12			
	Mounting: NS 15 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5-NS15A GY 3274166	13 19	PTFIX 6/12X2,5-NS15A GY PTFIX 6/18X2,5-NS15A GY	3274188 3274210
	Number of connections		7			
	Current / voltage		24 A / 690 V			
	Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm² ... 10 mm² / 26 ... 12			
	Mounting: NS 35 DIN rail, crosswise			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5-NS35 GY 3273066	13 19	PTFIX 6/12X2,5-NS35 GY PTFIX 6/18X2,5-NS35 GY	3273088 3273110
	Number of connections		7			
	Current / voltage		24 A / 690 V			
	Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm² ... 10 mm² / 26 ... 12			
	Mounting: NS 35 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5-NS35A GY 3273198	13 19	PTFIX 6/12X2,5-NS35A GY PTFIX 6/18X2,5-NS35A GY	3273220 3273242
	Number of connections		7			
	Current / voltage		24 A / 690 V			
	Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm² ... 10 mm² / 26 ... 12			

4 mm² distribution and collection blocks				Connection versions		
	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	PTFIX 6X4 GY 3273790	2 12 18	PTFIX 2X4 GY PTFIX 12X4 GY PTFIX 18X4 GY	1028360 3273812 3273834
	Number of connections		6			
	Current / voltage		32 A / 450 V			
	Cross-section range / AWG		0.2 mm² ... 6 mm² / 24 ... 10			

Product overview for PTFIX (gray item versions)


4 mm ² distribution and collection blocks				Connection versions		
	Mounting: Adhesive			Number	Type	Item no.
	Type	Item no.	PTFIX 6X4-G GY 3273922	12 18	PTFIX 12X4-G GY PTFIX 18X4-G GY	3273944 3273966
	Number of connections		6			
	Current / voltage		32 A / 450 V			
	Cross-section range / AWG		0.2 mm ² ... 6 mm ² / 24 ... 10			
	Mounting: NS 35 DIN rail, crosswise			Number	Type	Item no.
	Type	Item no.	PTFIX 6X4-NS35 GY 3273526	12 18	PTFIX 12X4-NS35 GY PTFIX 18X4-NS35 GY	3273548 3273570
	Number of connections		6			
	Current / voltage		32 A / 800 V			
	Cross-section range / AWG		0.2 mm ² ... 6 mm ² / 24 ... 10			
	Mounting: NS 35 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	PTFIX 6X4-NS35A GY 3273658	12 18	PTFIX 12X4-NS35A GY PTFIX 18X4-NS35A GY	3273680 3273702
	Number of connections		6			
	Current / voltage		32 A / 800 V			
	Cross-section range / AWG		0.2 mm ² ... 6 mm ² / 24 ... 10			
	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	PTFIX 10/6X4 GY 3273856	13 19	PTFIX 10/12X4 GY PTFIX 10/18X4 GY	3273878 3273900
	Number of connections		7			
	Current / voltage		41 A / 450 V			
	Cross-section range / AWG		0.2 mm ² ... 6 mm ² / 24 ... 10			
	Feed-in: Cross-section range / AWG		0.5 mm ² ... 10 mm ² / 20 ... 6			
	Mounting: Adhesive			Number	Type	Item no.
	Type	Item no.	PTFIX 10/6X4-G GY 3273988	13 19	PTFIX 10/12X4-G GY PTFIX 10/18X4-G GY	3274010 3274032
	Number of connections		7			
	Current / voltage		41 A / 450 V			
	Cross-section range / AWG		0.2 mm ² ... 6 mm ² / 24 ... 10			
	Feed-in: Cross-section range / AWG		0.5 mm ² ... 10 mm ² / 24 ... 10			
	Mounting: NS 35 DIN rail, crosswise			Number	Type	Item no.
	Type	Item no.	PTFIX 10/6X4-NS35 GY 3273592	13 19	PTFIX 10/12X4-NS35 GY PTFIX 10/18X4-NS35 GY	3273614 3273636
	Number of connections		7			
	Current / voltage		41 A / 800 V			
	Cross-section range / AWG		0.2 mm ² ... 6 mm ² / 24 ... 10			
	Feed-in: Cross-section range / AWG		0.5 mm ² ... 10 mm ² / 24 ... 10			





Product overview for PTFIX (gray item versions)

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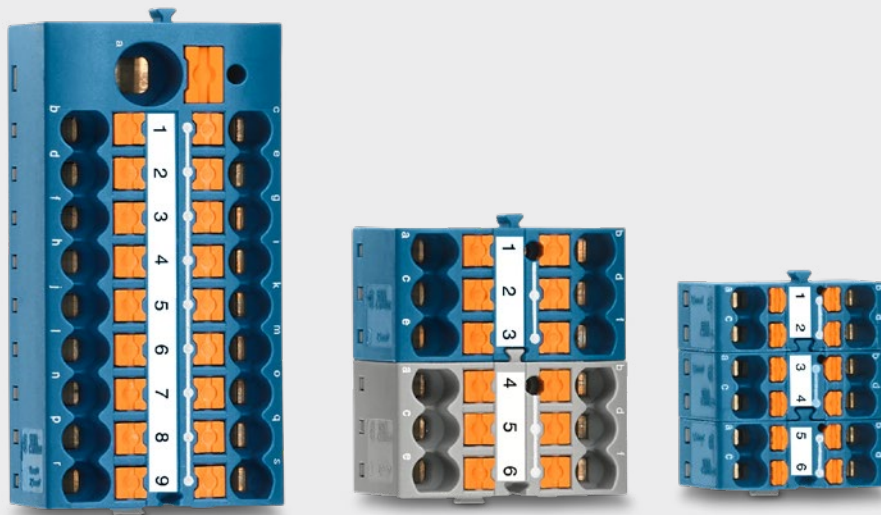
Distribution blocks

4 mm² distribution and collection blocks			Connection versions		
	Mounting: NS 35 DIN rail, lengthwise		Number	Type	Item no.
	Type	Item no.	13 19	PTFIX 10/12X4-NS35A GY PTFIX 10/18X4-NS35A GY	3273746 3273768
	Number of connections	PTFIX 10/6X4-NS35A GY 3273724			
	Current / voltage	7			
	Cross-section range / AWG	41 A / 800 V			
	Feed-in: Cross-section range / AWG	0.2 mm² ... 6 mm² / 24 ... 10			
		0.5 mm² ... 10 mm² / 20 ... 8			

10 mm² distribution and collection blocks			Connection versions		
	Base block – without mounting adapter		Number	Type	Item no.
	Type	Item no.			
	Number of connections	PTFIX 6X10/S GY 1082387			
	Current / voltage	6			
	Cross-section range / AWG	57 A / 450 V			
		0.5 mm² ... 16 mm² / 20 ... 6			
	Mounting: Adhesive		Number	Type	Item no.
	Type	Item no.			
	Number of connections	PTFIX 6X10/S-G GY 1082492			
	Current / voltage	6			
	Cross-section range / AWG	57 A / 450 V			
		0.5 mm² ... 16 mm² / 20 ... 6			
	Mounting: NS 35 DIN rail, crosswise		Number	Type	Item no.
	Type	Item no.			
	Number of connections	PTFIX 6X10/S-NS35 GY 1082403			
	Current / voltage	6			
	Cross-section range / AWG	57 A / 800 V			
		0.5 mm² ... 16 mm² / 20 ... 6			
	Mounting: NS 35 DIN rail, lengthwise		Number	Type	Item no.
	Type	Item no.			
	Number of connections	PTFIX 6X10/S-NS35A GY 1082479			
	Current / voltage	6			
	Cross-section range / AWG	57 A / 800 V			
		0.5 mm² ... 16 mm² / 20 ... 6			

PTFIX distribution blocks with Ex e approval

These FIX distribution blocks have additional Ex e approval. They are part of the FIX block system, so feature the same advantages as all distribution blocks and use the identical standardized FIX accessories.



Your advantages

- ✓ Certification in accordance with Ex e
- ✓ Fast installation with ready-to-connect blocks
- ✓ Flexible mounting options
- ✓ Intuitive installation due to the wide range of colors
- ✓ Standardized accessories – CLIPLINE complete

Color versions

In the following product tables, the reference items listed are the standard gray color version.



The distribution blocks with Ex approval are also available in blue. You will find the blue versions in the online shop or in the configurator.

Explosion protection













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 2014/34/EU (previously ATEX 100a) is of particular importance to manufacturers of devices and protective systems within CENELEC countries of the European Union and beyond. We meet international requirements with IECEx certificates. This means that use with the “increased safety” Ex eb type of protection is permitted in zone 1 and 2. However, this is only under the condition that the distribution blocks are installed in housings that are qualified and certified for the respective type of protection. The protection principle of the increased safety “e” type of protection (IEC/EN 60079-7) is essentially based on stricter design measures.



Certification marking (Ex logo)

1.5 mm² distribution and collection blocks				Connection versions		
 	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	PTFIX 4X1,5 GY-EX 1221508			
	Number of connections		4			
	Current / voltage		14.5 A / 440 V			
	Cross-section range / AWG		0.14 mm² ... 2.5 mm² / 26 ... 14			

Product overview for PTFIX with Ex e approval (gray item versions)

2.5 mm ² distribution and collection blocks				Connection versions		
 	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	PTFIX 6X2,5 GY-EX 1221469	2 12 18	PTFIX 2X2,5 GY-EX PTFIX 12X2,5 GY-EX PTFIX 18X2,5 GY-EX	1221491 1221410 1221423
	Number of connections		6			
	Current / voltage		22.5 A / 440 V			
	Cross-section range / AWG		0.14 mm ² ... 4 mm ² / 26 ... 12			
 	Mounting: NS 35 DIN rail, crosswise			Number	Type	Item no.
	Type	Item no.	PTFIX 6X2,5-NS35 GY-EX 1221474	12 18	PTFIX 12X2,5-NS35 GY-EX PTFIX 18X2,5-NS35 GY-EX	1221415 1221473
	Number of connections		6			
	Current / voltage		22.5 A / 440 V			
	Cross-section range / AWG		0.14 mm ² ... 4 mm ² / 26 ... 12			
 	Mounting: NS 35 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	PTFIX 6X2,5-NS35A GY-EX 1221481	12 18	PTFIX 12X2,5-NS35A GY-EX PTFIX 18X2,5-NS35A GY-EX	1221420 1221479
	Number of connections		6			
	Current / voltage		22.5 A / 440 V			
	Cross-section range / AWG		0.14 mm ² ... 4 mm ² / 26 ... 12			
 	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5 GY-EX 1221454	13 19	PTFIX 6/12X2,5 GY-EX PTFIX 6/18X2,5 GY-EX	1221426 1221440
	Number of connections		7			
	Current / voltage		22.5 A / 440 V			
	Cross-section range / AWG		0.14 mm ² ... 4 mm ² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm ² ... 10 mm ² / 20 ... 8			
 	Mounting: NS 35 DIN rail, crosswise			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5-NS35 GY-EX 1221458	13 19	PTFIX 6/12X2,5-NS35 GY-EX PTFIX 6/18X2,5-NS35 GY-EX	1221432 1221444
	Number of connections		7			
	Current / voltage		22.5 A / 440 V			
	Cross-section range / AWG		0.14 mm ² ... 4 mm ² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm ² ... 10 mm ² / 20 ... 8			
 	Mounting: NS 35 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5-NS35A GY-EX 1221464	13 19	PTFIX 6/12X2,5-NS35A GY-EX PTFIX 6/18X2,5-NS35A GY-EX	1221436 1221450
	Number of connections		7			
	Current / voltage		22.5 A / 440 V			
	Cross-section range / AWG		0.14 mm ² ... 4 mm ² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm ² ... 10 mm ² / 20 ... 8			

Professional marking on site – THERMOMARK GO

Easy marking wherever you need it

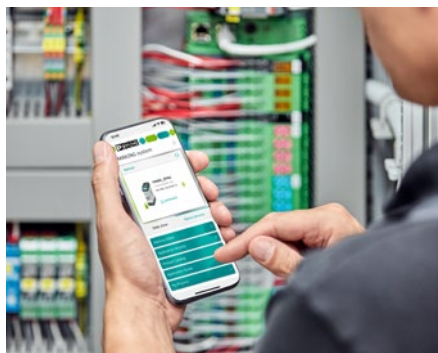
Control the THERMOMARK GO mobile label printer from your smart device via the MARKING system App. Create markings for numerous applications with flexibility directly in the industrial environment. With its compact dimensions and robust design, the printer is ideally suited for mobile use.

In addition to prepunched marking materials, the THERMOMARK GO also processes continuous media for terminal, wire and cable, equipment, and plant identification. The MM-TML... self-adhesive marking strips are perfect for marking the FIX blocks from the FIX block system.

For more information on the THERMOMARK GO, simply enter the web code into the search field on our website.



Web code: #2414



Modern interfaces

Connect your smart device to the THERMOMARK GO via Bluetooth. Alternatively, use the NFC interface to directly and conveniently start the app. Your data is then transmitted quickly and securely to the printer via Bluetooth 5. Up to five users can simultaneously connect to the THERMOMARK GO.



Intuitive label creation

The MARKING system App guides you through the entire printing process. It helps you create the perfect marking solution. By systematically requesting application parameters, the software identifies the ideal solution for your customized terminal, wire and cable, equipment, and plant identification.



Easy transportation

Everything with you on the go and always to hand: the transport case has plenty of space for your THERMOMARK GO, including accessories and material cartridges. Alternatively, you can use the practical shoulder bag and belt pouch, from where you can print your marking solutions directly.

PTVFIX distribution blocks

Compared to the PTFIX blocks, the main distinguishing feature of the PTVFIX distribution blocks is their lateral conductor connection. Lateral Push-in connection is indicated by the letter “V” in the name, which stands for “Vertical”. The PTVFIX distribution blocks are available as distribution blocks and collection blocks with a cross-section of 2.5 mm² with 2, 6, 12, and 18 terminal points.

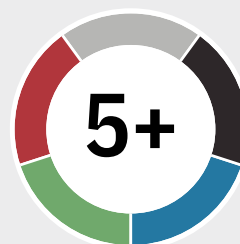


Your advantages

- ✓ Fast installation with ready-to-connect blocks
- ✓ Lateral conductor routing without bending radii
- ✓ Significant space savings due to the minimal size
- ✓ Flexible mounting options
- ✓ Standardized accessories – CLIPLINE complete

Color versions

In the following product tables, the reference items listed are the standard gray color version. You will find the color versions of the individual blocks in our online shop or in the online configurator. The PTVFIX distribution blocks are available in five basic colors outside of the configurator.









Product overview for PTVFIX (gray item versions)

1

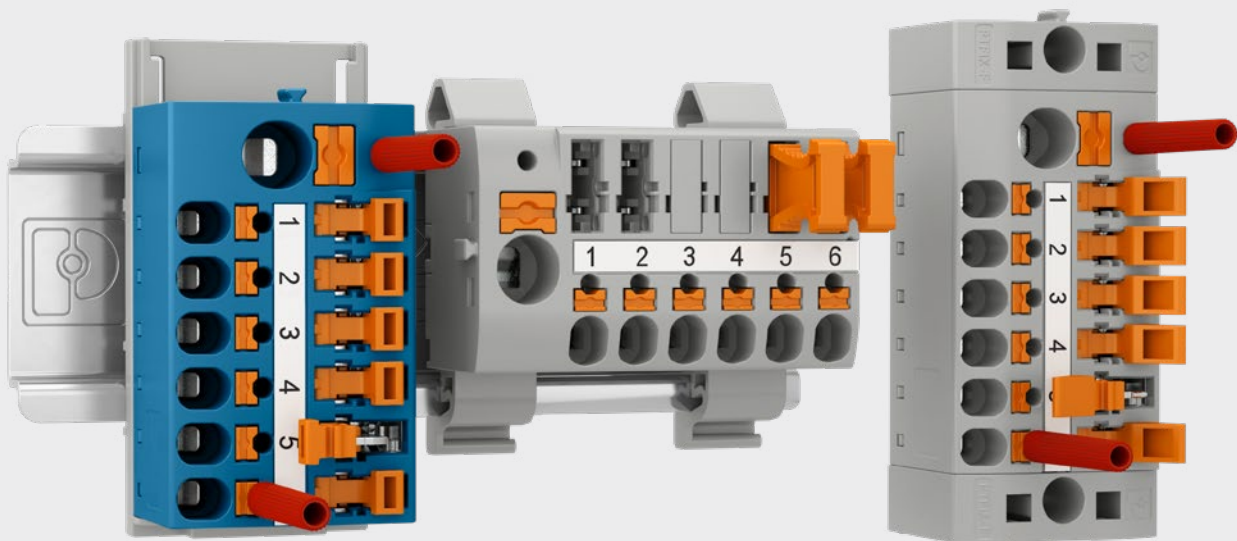
2

Distribution blocks

2.5 mm² PTVFIX distribution blocks				Connection versions		
	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	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 ... 4 mm² / 26 ... 12			
	Mounting: Adhesive			Number	Type	Item no.
	Type	Item no.	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 ... 4 mm² / 26 ... 12			
	Mounting: NS 35 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	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 ... 4 mm² / 26 ... 12			
	Base block – without mounting adapter			Number	Type	Item no.
	Type	Item no.	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 ... 4 mm² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm² ... 10 mm² / 20 ... 8			
	Mounting: Adhesive			Number	Type	Item no.
	Type	Item no.	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 ... 4 mm² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm² ... 10 mm² / 20 ... 8			
	Mounting: NS 35 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	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 ... 4 mm² / 26 ... 12			
	Feed-in: Cross-section range / AWG		0.5 mm² ... 10 mm² / 20 ... 8			

Function distribution blocks

The FIX function distribution blocks are available in various disconnection versions and as fuse blocks. The distribution blocks are available with seven terminal points and a nominal cross-section of 2.5 mm². In addition, the feed-in can be installed with a conductor cross-section of 0.5 to 10 mm². Like the distribution blocks, these blocks are mounted flexibly with standardized mounting adapters.



Your advantages

- ✓ Fast installation with ready-to-connect blocks
- ✓ Easy integration of function elements
- ✓ Significant space savings due to the minimal size
- ✓ Flexible mounting options
- ✓ Standardized accessories – CLIPLINE complete

FIX function distribution blocks

Disconnect base block

The TG version is a disconnect base block. This block enables the easy use of isolating plugs, fuse plugs, and component connectors. Switching locks and feed-through connectors can also be integrated. The TG disconnect base block is therefore a very flexible function block.

Knife-disconnect block





The MT version features knife disconnection to easily separate the signal paths. The knife disconnection mechanism can be opened very easily using a screwdriver.

Lever-type knife-disconnect block

The MTL version features a lever-type disconnect knife. The handling differs from the MT version. The blocks require more space above the block, but can be opened tool-free.

Fuse block

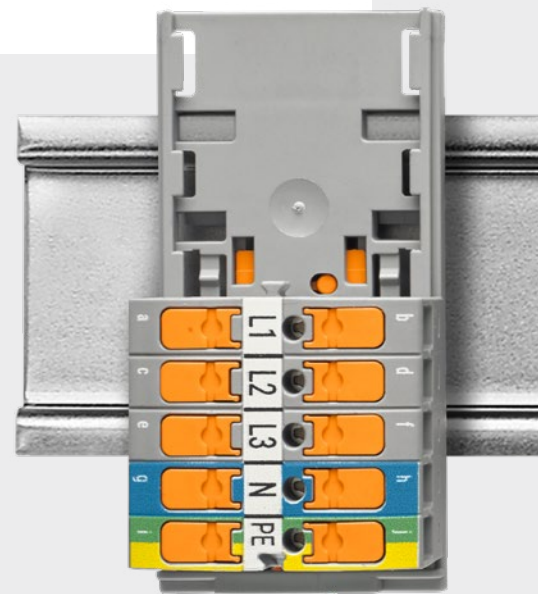
The fuse block provides straightforward protection for the signal paths through the integration of simple microfuses.

2.5 mm² PTFIX function distribution blocks				Connection versions		
	Base block – without mounting adapter NEW			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5-TG 1130751	7	PTFIX 6/6X2,5-MT BU	1487214
	Number of connections	7				
	Current / voltage	20 A / 400 V				
	Cross-section range / AWG	0.14 mm² ... 4 mm² / 26 ... 12				
	Feed-in: Cross-section range / AWG	0.5 mm² ... 10 mm² / 20 ... 8				
	Base block – without mounting adapter NEW			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5-MT 1130757	7	PTFIX 6/6X2,5-MTL BU	1487215
	Number of connections	7				
	Current / voltage	20 A / 400 V				
	Cross-section range / AWG	0.14 mm² ... 4 mm² / 26 ... 12				
	Feed-in: Cross-section range / AWG	0.5 mm² ... 10 mm² / 20 ... 8				
	Base block – without mounting adapter NEW			Number	Type	Item no.
	Type	Item no.	PTFIX 6/6X2,5-MTL 1130760	7	PTFIX 10/6X4-SI (5X20)	1172135
	Number of connections	7				
	Current / voltage	20 A / 400 V				
	Cross-section range / AWG	0.14 mm² ... 4 mm² / 26 ... 12				
	Feed-in: Cross-section range / AWG	0.5 mm² ... 10 mm² / 20 ... 8				
	Base block – without mounting adapter NEW			Number	Type	Item no.
	Type	Item no.	PTFIX 10/6X4-SI (5X20) 1172135			
	Number of connections	7				
	Current / voltage	6.3 A / 250 V				
	Cross-section range / AWG	0.2 mm² ... 6 mm² / 24 ... 10				
	Feed-in: Cross-section range / AWG	0.5 mm² ... 16 mm² / 20 ... 6				

PTVFIX device terminal blocks

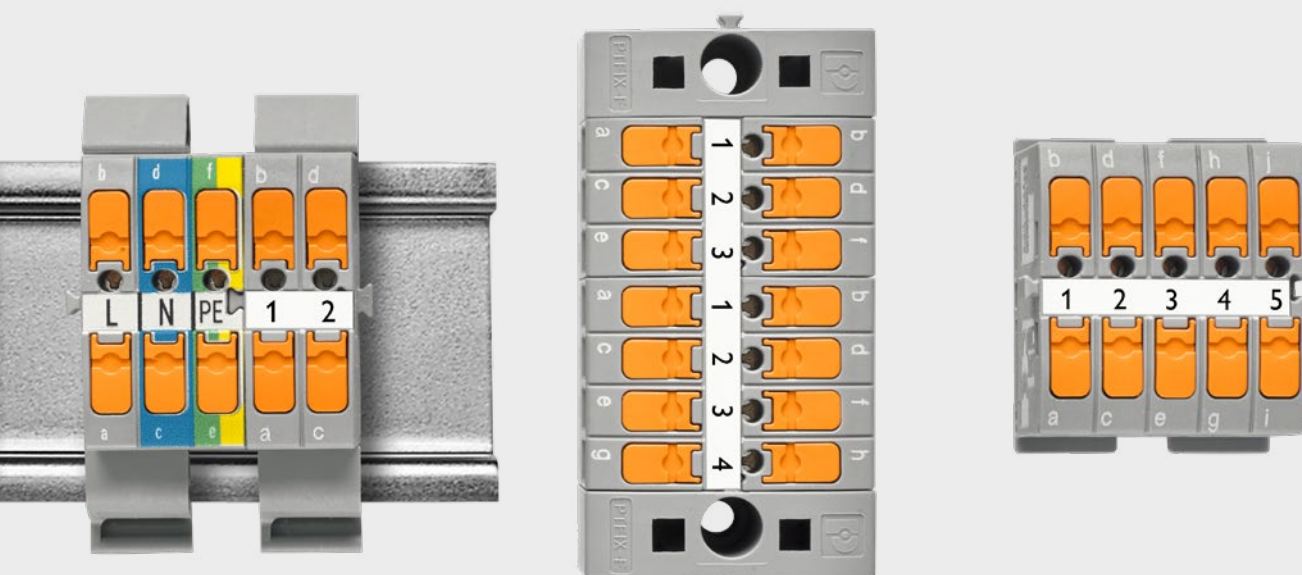
2

Unlike the FIX distribution blocks, the PTVFIX device terminal blocks do not have any integrated bridging, which means they can carry more than one potential. Like all blocks in the FIX system, the device terminal blocks use the standardized FIX accessories. You can thus also benefit here from various mounting types, an online configurator, as well as uniform testing and marking accessories.



Your advantages

- ✓ Fast installation with ready-to-connect blocks
- ✓ Significant space savings due to the minimal size
- ✓ Flexible mounting options
- ✓ Ideal for use in building installation
- ✓ Standardized accessories – CLIPLINE complete



PTVFIX device terminal blocks

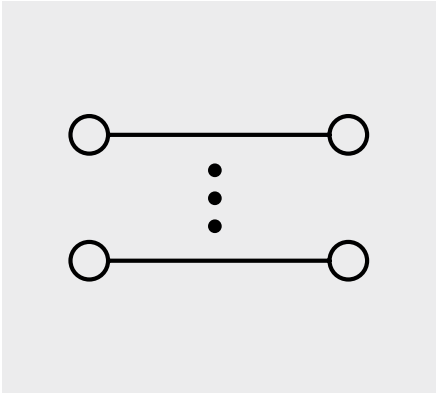
The PTVFIX device terminal blocks are equipped with Push-in connection technology and accommodate conductor cross-sections between 0.14 and 4 mm².




Product overview for FIX device terminal blocks

Separate potentials (without integrated bridging)

The PTVFIX device terminal blocks are the first FIX distribution blocks to carry more than one potential. Unlike the other distribution blocks, the device terminal blocks do not have integrated bridging. This means that the blocks carry one potential per two terminal points. This feature makes the blocks particularly suitable in areas such as building installation. Quickly and easily connect the phase, the neutral conductor, and the protective conductor in just one compact and space-saving block. If you need more than two terminal points per potential, we recommend using a modular solution

of distribution blocks or a hybrid solution of device terminal blocks and distribution blocks. Due to the identical design, the various blocks can be easily connected together via the tongue and groove connection. The various block versions can also be freely combined in the online configurator to create a turnkey solution.










2.5 mm² PTVFIX device terminal blocks				Connection versions		
	Base block – without mounting adapter NEW			Number	Type	Item no.
	Type	Item no.	PTVFIX 2,5/2			
	Number of connections		4			
	Current / voltage		24 A/ 450 V (in acc. with IEC 60998-2-2)	6 8 10	PTVFIX 2,5/3 PTVFIX 2,5/4 PTVFIX 2,5/5	1300609 1300610 1300611
	Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12			
	Base block – without mounting adapter NEW			Number	Type	Item no.
	Type	Item no.	PTVFIX 2,5-L/N/GN			
	Number of connections		6			
	Current / voltage		24 A/ 450 V (in acc. with IEC 60998-2-2)			
	Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12			
	Base block – without mounting adapter NEW			Number	Type	Item no.
	Type	Item no.	PTVFIX 2,5-3L/N/GN			
	Number of connections		10			
	Current / voltage		24 A/ 450 V (in acc. with IEC 60998-2-2)			
	Cross-section range / AWG		0.14 mm² ... 4 mm² / 26 ... 12			

FIX mounting adapters

The mounting adapters are an important part of the FIX block system. They enable space-saving and easy mounting in a variety of applications. In addition to lengthwise and crosswise mounting on the DIN rail, the portfolio also includes adapters for direct mounting via flange or securing pin. The following table lists the various adapters for the respective nominal cross-section of the FIX blocks.



FIX mounting adapters for 2.5 mm² nominal cross-section

Type		Suitable for the nominal cross-section		
		1.5 mm²	2.5 mm² / 4 mm²	10 mm²
DIN rail mounting				
	Crosswise to the NS 35/NS 15 DIN rail	1049497	3274054	
	DIN rail adapter (lengthwise to the NS 35 DIN rail)	–	3274056 3274057 ¹⁾	1082915
	Double DIN rail adapter (lengthwise to the NS 35 DIN rail)	1049498	–	–
	DIN rail adapter (lengthwise to the NS 15 DIN rail)	1049500	3274058 3274059 ¹⁾	–
Direct mounting				
	Flange	1049503	3274060	1082917
	Securing pin adapter	1632415	1632417	
	Securing pin adapter	1050613	–	–

¹⁾ Adapter with end bracket function

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