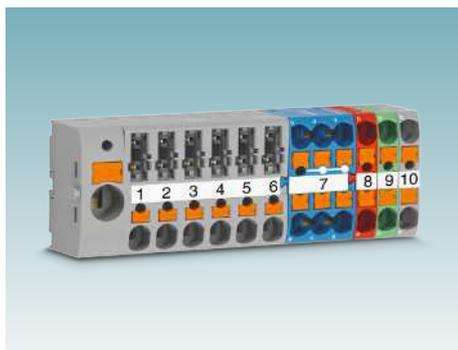


PTFIX-function

Easy integration of function elements

PTFIX function distribution blocks for the reliable separation of signals

The PTFIX function blocks are available in various disconnection versions. The distribution blocks are available with seven connection points and a nominal cross-section of 2.5 mm². Conductor cross-sections of between 0.14 and 4 mm² can therefore be connected to the separable connection points. The bus connection accommodates conductor cross-sections from 0.5 to 10 mm².



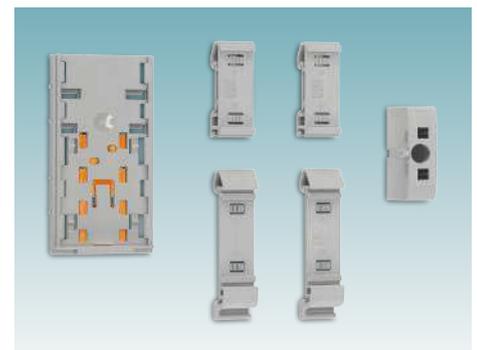
Fast installation

With their integrated bridging and high degree of modularity, the ready-to-connect distribution blocks enable fast mounting and installation. The blocks can be easily mounted side by side thanks to the tongue and groove connection.



Significant space savings

The highly compact size is a key feature of PTFIX. The function versions have six disconnect points in a size of 49.1 x 28.6 x 21.7 mm. This means that they can also be used in space-critical applications.

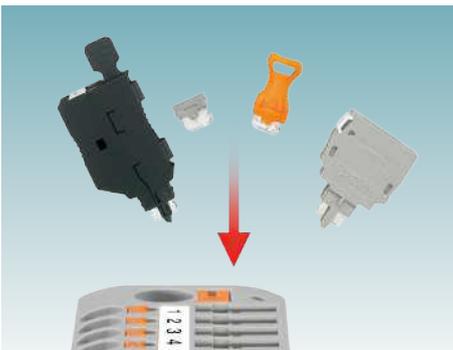


Flexible mounting options

The function distribution blocks can be mounted on a DIN rail using snap-on mounting accessories or installed by means of direct mounting.

The comprehensive solution for your control cabinet

The PTFIX-function product family is part of COMPLETE line. This system comprises coordinated hardware and software products, consulting services, and system solutions that help you optimize your processes in control cabinet manufacturing.



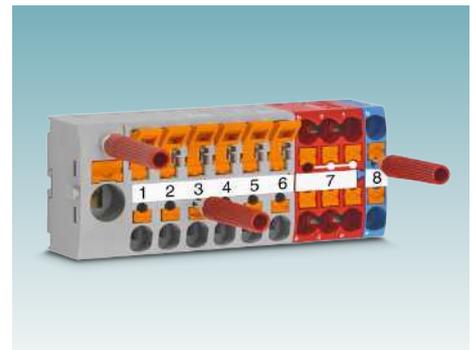
Universal disconnect point

The universal disconnect point enables the use of disconnect knives, component connectors, and fuse plugs. This means that various functions can be integrated in your system with just one block version.



Easy configuration

The online configurator provides you with support in creating a custom distribution block solution. Simply select the appropriate mounting type, color, and connection cross-section.



Standardized accessories

The function blocks can be individually tested and marked using CLIPLINE complete accessories.

Information on the function distribution blocks

Main features of the PTFIX distribution blocks

The PTFIX blocks are characterized by various key features that make this series of distribution blocks truly unique. The compact design enables the Push-in distribution blocks to be used in space-critical applications. In addition, the power blocks and function versions have a bus connection that can be connected to all the distribution connections of the relevant block via the current bar. Even on

distribution blocks without bus connection, the distribution connections can all be connected together. Integrated bridging is therefore possible from the outset and the distribution connections do not need to be bridged manually. Furthermore, the different colored distribution blocks offer quick and easy modular connection via a tongue and groove connection, which simplifies mounting and installation significantly. You

can individually test or mark the distribution blocks using CLIPLINE complete accessories.

Bus connection

The bus connection can be installed with a conductor cross-section of between 0.5 to 10 mm².

Distribution connection

The separable connection points accommodate conductor cross-sections of between 0.14 and 4 mm².

Push-in connection

Time-saving conductor connection with tool-free Push-in direct connection technology.

Tongue and groove connection

The blocks can be quickly and easily mounted side by side by means of the tongue and groove connection.

2.3 mm test point

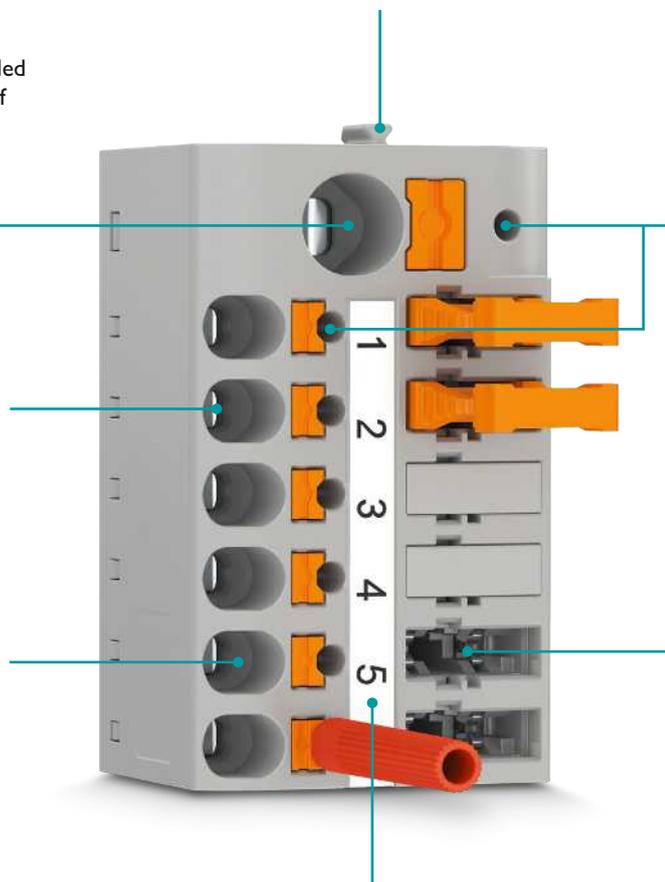
Testing options for all common test probes.

Universal disconnect point

Quick and easy separation of signals and installation of fuses and components.

Marking

The function distribution blocks use the marking accessories of the CLIPLINE complete system.



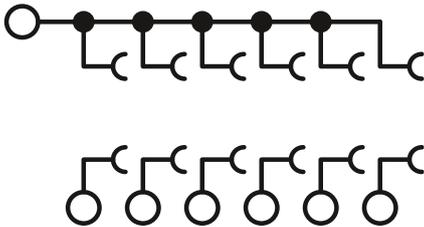
Operating principle

The bus connection of the function distribution blocks is connected to the distribution connections via the individual disconnect zones. The disconnect zones therefore provide the links between the individual distribution connections and the bus connection. This design enables you to quickly and easily separate individual signal lines so that you can also test the individual signal paths quickly and easily. With the disconnect base block version, you can even equip the individual distribution connections with different function

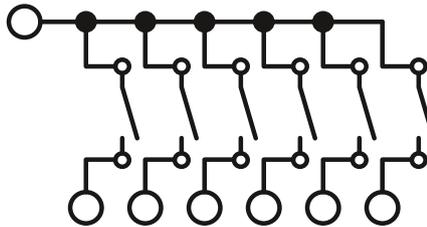
elements. For example, this enables you to protect individual current paths by installing suitable fuse plugs. In addition, the universal disconnect zone also allows you to install various component connectors, enabling the use of the blocks to be customized even further. Each distribution connection is equipped with a 2.3 mm test point so that you can test the individual current paths quickly and easily. In these test points, you can either perform testing directly using your measuring device or integrate the test

plugs from the CLIPLINE complete terminal block system.

Circuit diagram for TG version



Circuit diagram for MT and MTL versions



Differences between the function versions

The PTFIX-function distribution blocks are available in three different versions. The versions differ with regard to the type of disconnect zone, as can be clearly seen in the circuit diagrams. Nevertheless, the differences are crucial when it comes to use in various applications.

Disconnect zone of the TG version

The TG version is a disconnect base block. This block features a standardized disconnect zone that can accommodate

isolating plugs, component connectors, and fuse plugs.

Disconnect zone of the MT version

The MT version is a block version with integrated knife disconnection. The disconnect knives on this disconnect block can be opened and safely closed again very easily using a screwdriver.

Disconnect zone of the MTL version

In contrast to the MT version, the MTL

blocks feature lever disconnect knives. These lever disconnect knives are similar to those of the MT version, but have an added advantage when it comes to their operation. The knives of the MTL blocks can be opened using the lever, eliminating the need for tools. These blocks are particularly suitable for applications where space is not an issue, because the lever disconnect knives need more room in the wiring direction.



Disconnect base block



Knife disconnection



Lever knife disconnection

Mounting adapter

Horizontal DIN rail mounting

The horizontal DIN rail adapters are available for NS 35 and NS 15 DIN rails. To mount, attach the distribution block to the corresponding adapter feet. The block can then be snapped onto the DIN rail very easily. We recommend using two snap-on feet per stand-alone block. This number can be reduced for solutions that combine several distribution blocks.



Vertical DIN rail mounting

The vertical DIN rail adapters can be mounted on NS 35 and NS 15 DIN rails. To mount, simply attach the distribution blocks to the adapter. The adapter is then snapped onto the DIN rail. To prevent the blocks from slipping down, when mounting make sure that the side with the base latch is facing downward.



Direct mounting with flange

Direct mounting with a mounting flange enables the distribution blocks to be installed even in space-critical applications. To mount, first snap the distribution blocks onto the flange adapters. The flanges can be placed on either side and can therefore also be used in the middle of the PTFIX row. The flanges then just need to be secured with a screw at the chosen installation location.



Configurator

PTFIX distribution blocks offer countless possible combinations. The online configurator provides you with support in creating a custom distribution block solution. Configure your individual distribution block by choosing from fixed-position distribution blocks, power blocks, and function blocks, as well as modular single blocks. In just a few clicks, the configurator creates the desired product in the required colors, mounting type, and with your specified marking. PTFIX distribution blocks are easy to create and order.

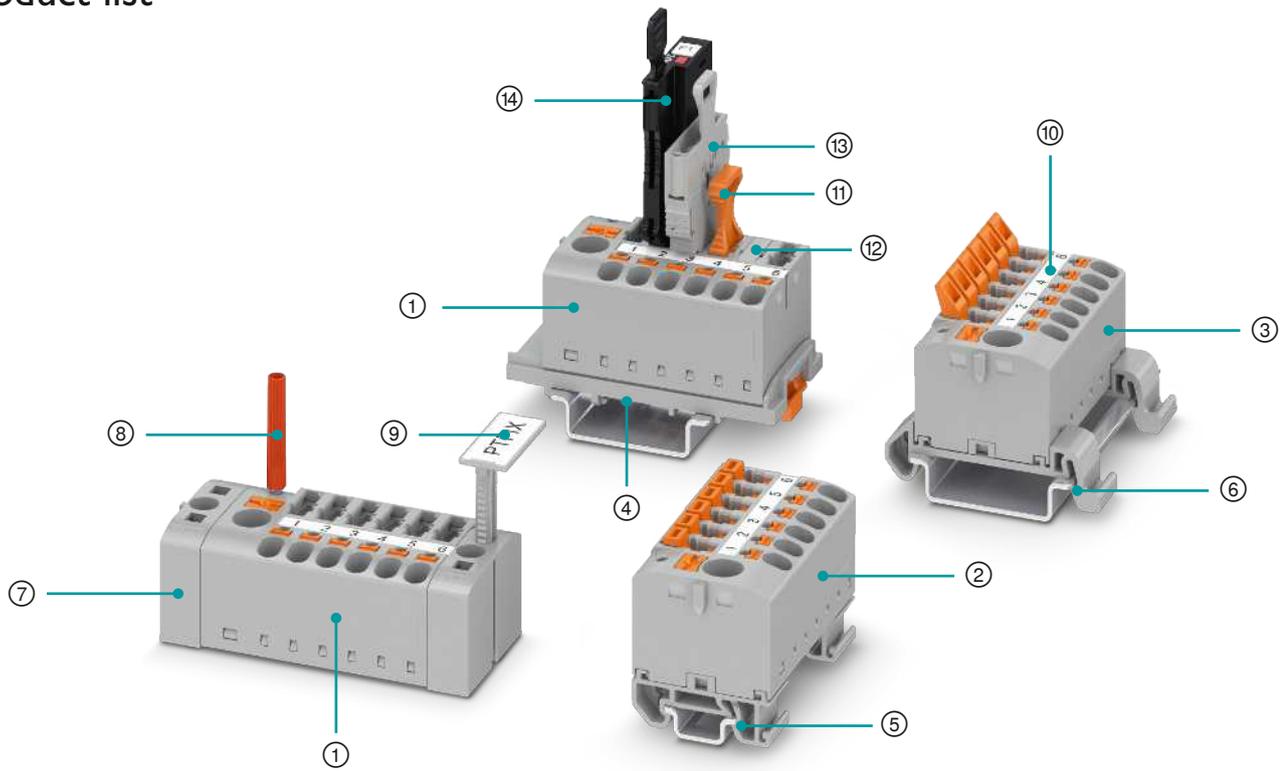
Direct link to the configurator:
Simply type the web code into the search field on our website.

i Web code: #2041



PTFIX online configurator

Product list



PTFIX function distribution blocks

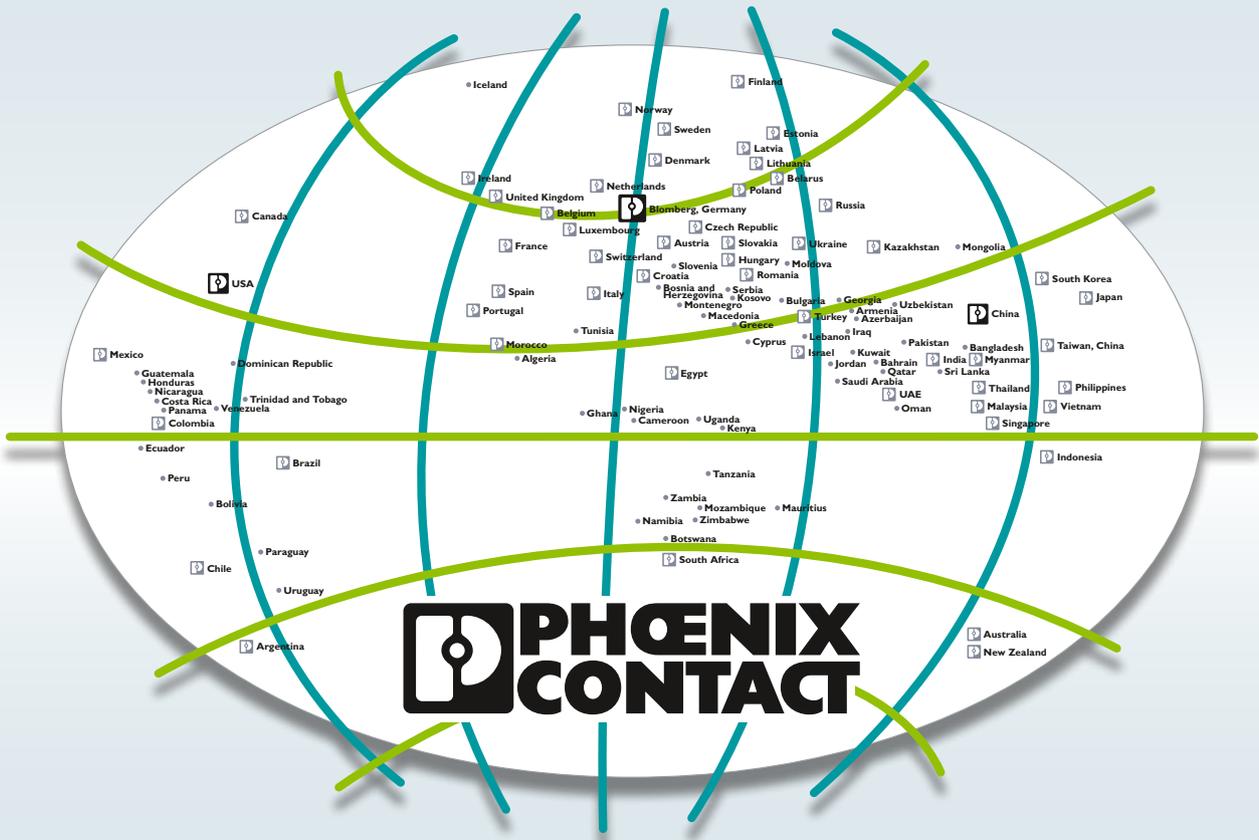
No.	Description	Type	Order No.
①	TG version (disconnect base block)	PTFIX 6/6X2,5-TG	1130751
②	MT version (knife disconnection)	PTFIX 6/6X2,5-MT	1130757
③	MTL version (lever knife disconnection)	PTFIX 6/6X2,5-MTL	1130760

Mounting adapter

No.	Description	Type	Order No.
④	DIN rail adapter for vertical mounting	PTFIX-NS35	3274054
⑤	DIN rail adapter for horizontal mounting	PTFIX-NS15A	3274058
⑥	DIN rail adapter for horizontal mounting	PTFIX-NS35A	3274056
⑦	Flange adapter	PTFIX-F	3274060

Accessories

No.	Description	Type	Order No.
⑧	Test plug (metal part Ø 2.3 mm)	MPS-MT	0201744
	Test plug (insulating sleeve, red)	MPS-IH RD	0201676
⑨	Terminal strip marker carrier	KLM 3	0811969
⑩	Marking foil, roll	TML (EX3,8)R	0801837
⑪	Disconnect knife (for TG version)	P-DI	3036783
⑫	Feed-through connector (for TG version)	P-FIX	3038956
⑬	Component connector (for TG version)	P-CO	3036796
⑭	Fuse plug (for TG version)	P-FU 5X20-5	3209235



Open communication with customers and partners worldwide

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Our wide variety of innovative products makes it easy for our customers to implement the latest technology in a variety of applications and industries. We focus on developing the fields of energy, infrastructure, process, and factory automation.

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