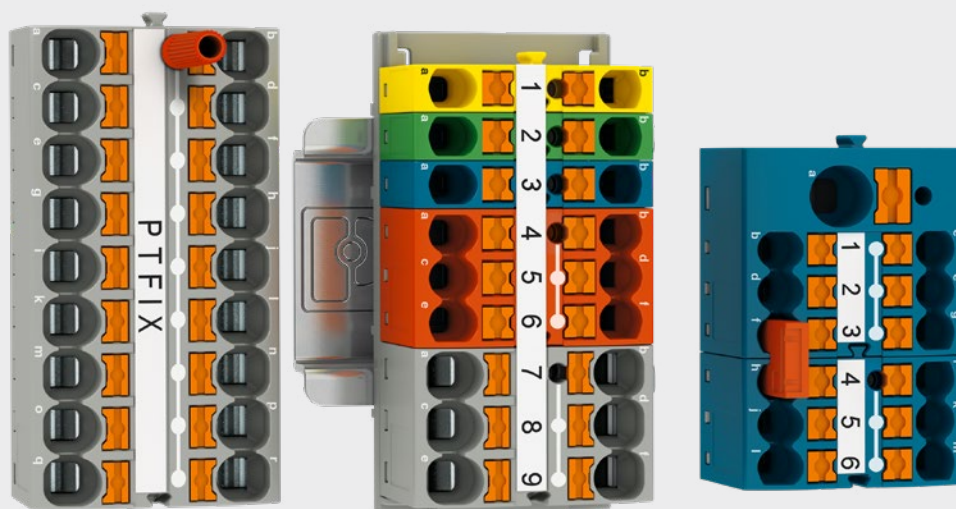


PTFIX distribution blocks

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)

1

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Distribution blocks

1.5 mm² 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 mm² ... 2.5 mm² / 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 mm² ... 2.5 mm² / 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 mm² ... 2.5 mm² / 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 mm² ... 2.5 mm² / 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 mm² ... 2.5 mm² / 26 ... 14			
	Feed-in: Cross-section range / AWG		0.2 mm² ... 6 mm² / 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 mm² ... 2.5 mm² / 26 ... 14			
	Feed-in: Cross-section range / AWG		0.2 mm² ... 6 mm² / 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 mm² ... 2.5 mm² / 26 ... 14			
	Feed-in: Cross-section range / AWG		0.2 mm² ... 6 mm² / 24 ... 10			

Product overview for PTFIX (gray item versions)

1.5 mm ² distribution and collection blocks			Connection versions		
	Mounting: NS 35 DIN rail, crosswise		Number	Type	Item no.
	Type	Item no.			
	Number of connections	PTFIX 4/18X1,5-NS35 GY 1047454			
	Current / voltage	19			
	Cross-section range / AWG	17.5 A / 500 V			
	Feed-in: Cross-section range / AWG	0.14 mm ² ... 2.5 mm ² / 26 ... 14			

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

Product overview for PTFIX (gray item versions)

1

2

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	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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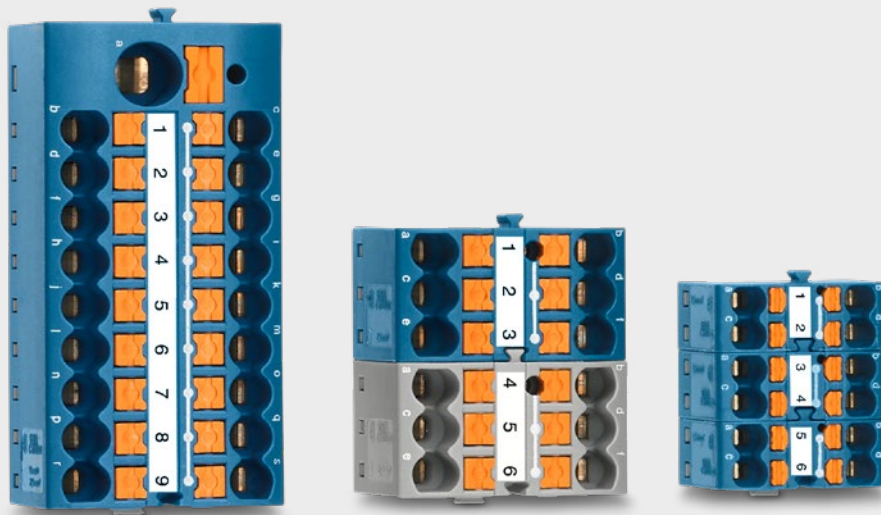
Distribution blocks

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.	PTFIX 6X10/S GY 1082387			
	Number of connections	6				
	Current / voltage	57 A / 450 V				
	Cross-section range / AWG	0.5 mm² ... 16 mm² / 20 ... 6				
	Mounting: Adhesive			Number	Type	Item no.
	Type	Item no.	PTFIX 6X10/S-G GY 1082492			
	Number of connections	6				
	Current / voltage	57 A / 450 V				
	Cross-section range / AWG	0.5 mm² ... 16 mm² / 20 ... 6				
	Mounting: NS 35 DIN rail, crosswise			Number	Type	Item no.
	Type	Item no.	PTFIX 6X10/S-NS35 GY 1082403			
	Number of connections	6				
	Current / voltage	57 A / 800 V				
	Cross-section range / AWG	0.5 mm² ... 16 mm² / 20 ... 6				
	Mounting: NS 35 DIN rail, lengthwise			Number	Type	Item no.
	Type	Item no.	PTFIX 6X10/S-NS35A GY 1082479			
	Number of connections	6				
	Current / voltage	57 A / 800 V				
	Cross-section range / AWG	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			
 	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			
 	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			