PTFIX 12X2,5 GY-EX - Distribution block

1221410

https://www.phoenixcontact.com/ro/produse/1221410

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Distribution block, Ex e-certified basic terminal block, mounting type: for snapping onto a DIN rail adapter, Direct mounting with flange, Free-hanging, color: gray

Avantajele dumneavoastră

- Ex e certified
- Flexible use, thanks to DIN rail mounting, direct mounting or adhesive mounting
- Clear wiring, thanks to eleven different color variants
- Time-saving conductor connection, thanks to tool-free Push-in direct connection technology
- Time savings of up to 80 %, thanks to ready-to-mount blocks without manual bridging
- Space savings of up to 50 % on the DIN rail, thanks to transverse mounting

Date tehnice

Notes

Notes on operation	the blocks can be bridged with one another via the conductor shaft, for corresponding plug-in bridges, see accessories

Product properties

Product type	Distributor terminal block
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Stripping length	8 mm ... 10 mm

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔx II 2 G Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3274054 PTFIX-NS35
	3274056 PTFIX-NS35A
	3274057 PTFIX-NS35A-FIX
	3274058 PTFIX-NS15A
	3274059 PTFIX-NS15A-FIX
	3274060 PTFIX-F
	3022263 CLIPFIX 15
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
	1204517 SZF 1-0,6X3,5
List of bridges	Plug-in bridge / FBS 2-5 / 3030161
Bridge data	23 A (2.5 mm²)
Ex temperature increase	40 K (22.5 A / 2.5 mm²)
Rated insulation voltage when mounting on DIN rails	400 V
Rated insulation voltage when directly mounted on mounting surface	400 V
output	(Permanent)

Ex level General

Rated voltage when mounting on DIN rails	440 V
Rated voltage during direct mounting on mounting surface	440 V
Rated current	22.5 A (2.5 mm²)
Maximum load current	27 A (4 mm²)
Contact resistance	0.6 mΩ

Ex connection data General

Nominal cross section	2.5 mm²
Rated cross section AWG	14
Connection capacity rigid	0.14 mm² ... 4 mm²
Connection capacity AWG	26 ... 12
Connection capacity flexible	0.14 mm² ... 2.5 mm²
Connection capacity AWG	26 ... 14

Dimensions

Width	31.5 mm
Height	28.6 mm
Depth	21.7 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	No

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

Mounting type	for snapping onto a DIN rail adapter
	Direct mounting with flange
	Free-hanging

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