PTFIX 6/18X2,5 GY-EX - Distribution block

1221440

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

Avantajele dumneavoastră

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

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

General

Note	The maximum load current of a single clamping unit must not be exceeded.
	For power distribution applications, IEC 60364-4-43.2008; modified + corrigendum Okt. 2008 (DIN VDE 0100-430:2010-10) section 433.2 ff must be observed!

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 (10 mm²)

Ex temperature increase	40 K (40 A / 6 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
Maximum total current	55 A (10 mm²)
output	(Permanent)

Ex level Terminal point

Rated current	22.5 A (2.5 mm²)
Maximum load current	27 A (4 mm²)
Contact resistance	0.5 mΩ

Ex connection data Terminal point

Stripping length	8 mm ... 10 mm
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
output	(Permanent)

Ex level Feed-in contact

Rated current	40 A (6 mm²)
Maximum load current	55 A (10 mm²)
Contact resistance	0.2 mΩ

Ex connection data Feed-in contact

Stripping length	10 mm ... 12 mm
Nominal cross section	6 mm²
Rated cross section AWG	10
Connection capacity rigid	0.5 mm² ... 10 mm²
Connection capacity AWG	20 ... 8
Connection capacity flexible	0.5 mm² ... 10 mm²
Connection capacity AWG	20 ... 8

Dimensions

Width	56.5 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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