Distribution block - PTFIX 6/12X2,5 GN - 3273360

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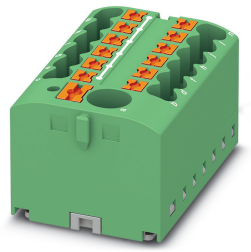

Distribution block, Basic terminal block with supply, the blocks can be bridged with one another via the conductor shaft, for corresponding plug-in bridges, see accessories, nom. voltage: 450 V, nominal current: 24 A, connection method: Push-in connection, Push-in connection, number of connections: 13, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 41 mm, height: 21.7 mm, color: green, mounting type: for snapping onto a DIN rail adapter, Direct mounting with flange, Free-hanging

Your advantages

- 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

RoHS COMPLETE line

Key Commercial Data

Packing unit	8 pc
Minimum order quantity	8 pc
GTIN	4 055626 392493
GTIN	4055626392493
Weight per Piece (excluding packing)	30.350 g
Custom tariff number	85369010
Country of origin	Poland
Sales Key	BE2269

Technical data

General

Note	Notes on operation the blocks can be bridged with one another via the conductor shaft, for corresponding plug-in bridges, see accessories
Number of rows	1
Number of connections	13
Potentials	1
Nominal cross section	2.5 mm²

Distribution block - PTFIX 6/12X2,5 GN - 3273360

Technical data

General

Nominal cross section feed-in	6 mm²
Color	green
Insulating material	PA
Flammability rating according to UL 94	V0
Mounting type	for snapping onto a DIN rail adapter
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum load current	32 A (with 4 mm² conductor cross section)
Maximum total current	57 A (with 10 mm² conductor cross section)
Nominal current I_N	24 A
Nominal voltage U_N	450 V
Maximum load current	57 A (with 10 mm² conductor cross section)
Nominal current I_N	41 A (with 6 mm² conductor cross section)
Open side panel	No
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35/NS 15
Note	When aligning several blocks, it is recommended to either place a DIN rail adapter underneath the connection point or a flange element between the blocks.
	For versions with 6 or 7 connections, it is sufficient to place one DIN rail adapter in the middle of each block and to use flange elements after every second block. Depending on the application case and mechanical load, other arrangements of the mounting accessory can also be chosen.
	When using the DIN rail adapter PTFIX-NS35, an ligned block must not protrude by more than a half.
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 2, bogie-mounted
Test frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 $(m/s^2)^2/Hz$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms

Distribution block - PTFIX 6/12X2,5 GN - 3273360

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General

Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	41 mm
Length	28.6 mm
Height	21.7 mm

Connection data

Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60998-2-2
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	2.5 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
Connection cross sections directly pluggable	0.34 mm² 4 mm² 24 12
Conductor cross section solid min.	0.34 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.34 mm²

Distribution block - PTFIX 6/12X2,5 GN - 3273360

Technical data

Connection data

Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.34 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
Internal cylindrical gage	A3
Connection	Feed-in stage
Connection method	Push-in connection
Stripping length	10 mm ... 12 mm
Connection in acc. with standard	IEC 60998-2-2
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	10 mm²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	1.5 mm²
Connection cross sections directly pluggable	1 mm² 10 mm²
Conductor cross section solid min.	1 mm²
Conductor cross section solid max.	10 mm²
Value	1 mm²
	6 mm²
	1 mm²
	6 mm²

Ambient conditions

Operating temperature	-60 °C ... 105 °C (max. short-term operating temperature 130°C)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

Standards and Regulations

Connection in acc. with standard	IEC 60998-2-2
	IEC 60998-2-2

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Technical data

Standards and Regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram

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ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS
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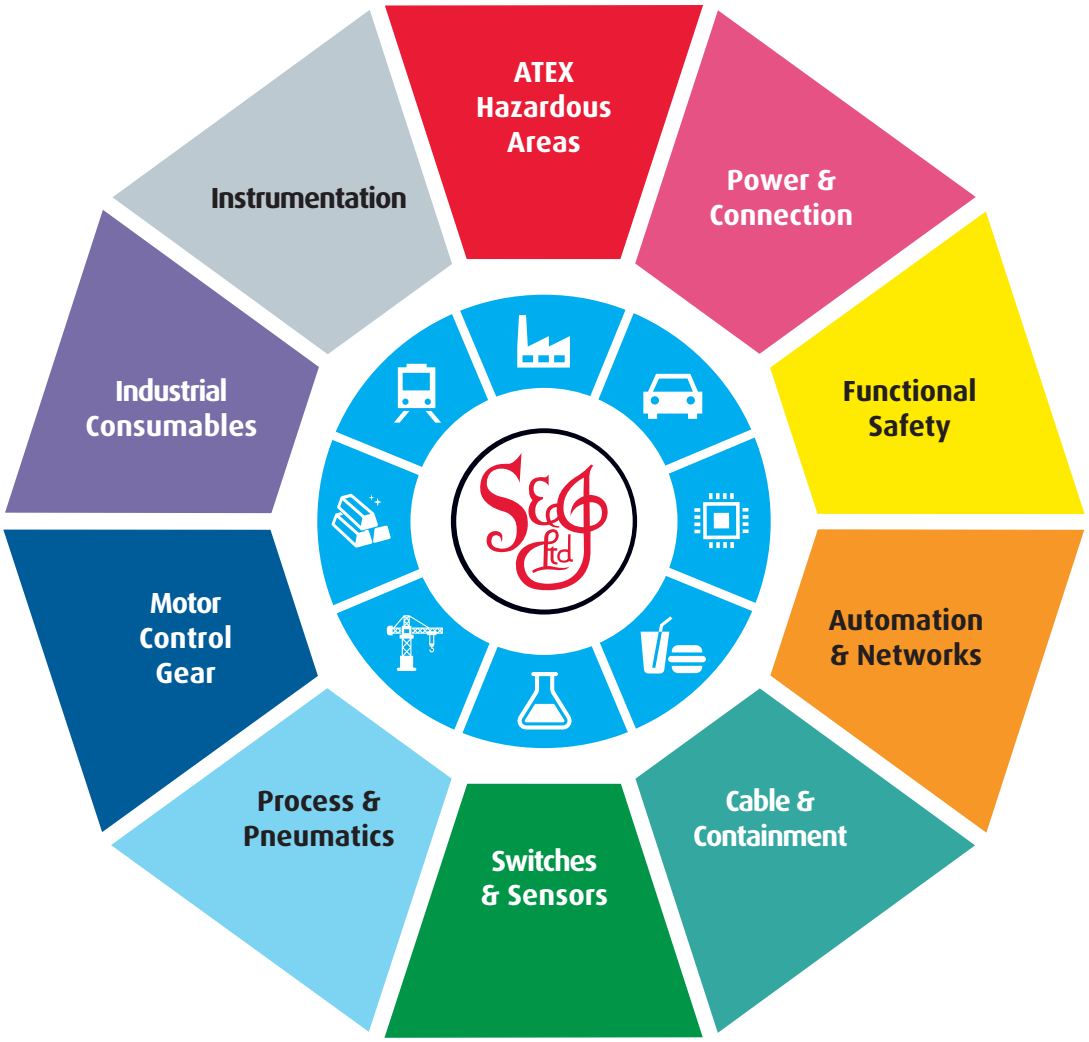

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