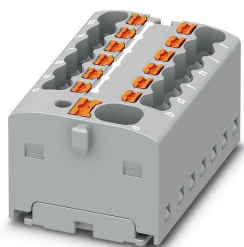


## Distribution block - PTFIX 4/12X1,5-G GY - 1046973


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Distribution block, nominal current: 41 A, connection method: Push-in connection, Feed-in stage, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, Pick-off level, cross section: 0.14 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting type: adhesive, color: gray



### Key Commercial Data

Packing unit	20 pc
Minimum order quantity	20 pc
GTIN	 4 055626 668987
GTIN	4055626668987
Weight per Piece (excluding packing)	2.220 g
Custom tariff number	85369010
Country of origin	Poland
Sales Key	BE2269

### Technical data

#### General

Number of rows	1
Number of connections	13
Nominal cross section	1.5 mm <sup>2</sup>
Nominal cross section feed-in	4 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Mounting type	adhesive
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I

## Distribution block - PTFIX 4/12X1,5-G GY - 1046973

### Technical data

#### General

Maximum load current	41 A (with 6 mm <sup>2</sup> conductor connection)
Maximum total current	41 A
Nominal current I <sub>N</sub>	41 A
Maximum load current	22 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Maximum total current	32 A
Nominal current I <sub>N</sub>	17.5 A
Nominal voltage U <sub>N</sub>	450 V
Open side panel	No
General information	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!
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):2018-05
Test spectrum	Service life test category 2, bogie-mounted
Test frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz
ASD level	6.12 (m/s <sup>2</sup> ) <sup>2</sup> /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):2018-05
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms
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))	125 °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)	27,5 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

## Distribution block - PTFIX 4/12X1,5-G GY - 1046973

### Technical data

#### Dimensions

Width	31.4 mm
Length	21.6 mm
Height	18.7 mm

#### Connection data

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.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.2 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.2 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Connection cross sections directly pluggable	0.34 mm <sup>2</sup> 6 mm <sup>2</sup> 24 12 0.34 mm <sup>2</sup> 4 mm <sup>2</sup>
Conductor cross section solid min.	0.34 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.2 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.2 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Connection	Pick-off level
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60998-2-2
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14

## Distribution block - PTFIX 4/12X1,5-G GY - 1046973

### Technical data

#### Connection data

Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
Connection cross sections directly pluggable	0.34 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Conductor cross section solid min.	0.34 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Value	0.34 mm <sup>2</sup>
	1.5 mm <sup>2</sup>
	0.34 mm <sup>2</sup>
	1.5 mm <sup>2</sup>
Internal cylindrical gage	A3

#### Ambient conditions

Operating temperature	-35 °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

### Drawings

#### Circuit diagram



### Approvals

#### Approvals

#### Approvals


EAC / UL Recognized / cUL Recognized / CSA / IECCEB CB Scheme / LR / BV / VDE Zeichengenehmigung / cULus Recognized


#### Ex Approvals


#### Approval details


## Distribution block - PTFIX 4/12X1,5-G GY - 1046973


### Approvals

EAC			RU C- DE.BL08.B.00644
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	B	C	
Nominal voltage UN	300 V	150 V	
Nominal current IN	30 A	30 A	
mm <sup>2</sup> /AWG/kcmil	24-10	24-10	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	B	C	
Nominal voltage UN	300 V	150 V	
Nominal current IN	30 A	30 A	
mm <sup>2</sup> /AWG/kcmil	24-10	24-10	

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	B	C	
Nominal voltage UN	300 V	150 V	
Nominal current IN	30 A	30 A	
mm <sup>2</sup> /AWG/kcmil	24-10	24-10	


IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-61977
Nominal voltage UN	450 V		
Nominal current IN	32 A		
mm <sup>2</sup> /AWG/kcmil	4		

LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	LR2002627TA
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## Distribution block - PTFIX 4/12X1,5-G GY - 1046973

### Approvals

BV		<a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a>	59146/A0 BV
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VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40047798
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Nominal voltage UN	450 V
Nominal current IN	32 A
mm <sup>2</sup> /AWG/kcmil	0.2-1.5

cULus Recognized	
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