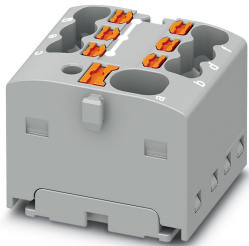


Distribution block - PTFIX 4/6X1,5 GY - 1047466

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Distribution block, Basic terminal block with supply, nom. voltage: 450 V, nominal current: 17.5 A, connection method: Push-in connection, Push-in connection, number of connections: 7, cross section: 0.14 mm² - 2.5 mm², AWG: 26 - 14, width: 19 mm, height: 17.7 mm, color: gray, mounting type: for snapping onto a DIN rail adapter, Direct mounting with flange, Free-hanging



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
GTIN	 4 055626 665719
GTIN	4055626665719
Weight per Piece (excluding packing)	9.000 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	7
Nominal cross section	1.5 mm ²
Nominal cross section feed-in	4 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Technical data

General

Insulating material group	I
Maximum load current	22 A (with a 2.5 mm ² conductor cross section)
Maximum total current	32 A
Nominal current I _N	17.5 A
Nominal voltage U _N	450 V
Maximum load current	41 A (with 6 mm ² conductor connection)
Maximum total current	41 A
Nominal current I _N	41 A
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 aligned 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):2018-05
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	3.12 g
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

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Technical data

General

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

Dimensions

Width	19 mm
Length	21.6 mm
Height	17.7 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 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
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 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm ²
Connection cross sections directly pluggable	0.34 mm ² 2.5 mm ²
Conductor cross section solid min.	0.34 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.34 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.34 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm ²

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Technical data

Connection data

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.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
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 ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.2 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm ²
Connection cross sections directly pluggable	0.34 mm ² 6 mm ² 24 12 0.34 mm ² 4 mm ²
Conductor cross section solid min.	0.34 mm ²
Conductor cross section solid max.	6 mm ²
Value	0.2 mm ²
	4 mm ²
	0.2 mm ²
	4 mm ²

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
Flammability rating according to UL 94	V0

Drawings

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 11.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 6.0	EC000897
ETIM 7.0	EC000897

Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

EAC		RU C- DE.AI30.B.01102
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
Nominal voltage UN	300 V	150 V	
Nominal current IN	30 A	30 A	
mm²/AWG/kcmil	24-10	24-10	

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Approvals

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
Nominal voltage UN	300 V	150 V	
Nominal current IN	30 A	30 A	
mm²/AWG/kcmil	24-10	24-10	

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	
Nominal voltage UN	300 V	150 V	
Nominal current IN	30 A	30 A	
mm²/AWG/kcmil	24-10	24-10	

IECEE CB Scheme		http://www.iecee.org/	DE1-61977
Nominal voltage UN	450 V		
Nominal current IN	32 A		
mm²/AWG/kcmil	4		

DNV GL		https://approvalfinder.dnvgl.com/	TAE00002TT
Nominal voltage UN	500 V		
Nominal current IN	24 A		

EAC			RU C- DE.BL08.B.00644
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LR		http://www.lr.org/en	LR2002627TA
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Distribution block - PTFIX 4/6X1,5 GY - 1047466

Approvals

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

cULus Recognized	
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Accessories

Accessories

Insulating sleeve

Insulating sleeve - ISH 1,5/0,2 - 3206131



Insulating sleeve, color: white

Insulating sleeve - ISH 1,5/0,5 - 3031034



Insulating sleeve, color: gray

Jumper

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Accessories

Plug-in bridge - FBS 2-4 - 3030116



Plug-in bridge, pitch: 4.2 mm, number of positions: 2, color: red

Plug-in bridge - FBS 2-4 BU - 3030117



Plug-in bridge, pitch: 4.2 mm, number of positions: 2, color: blue

Plug-in bridge - FBS 2-4 GY - 3030118



Plug-in bridge, pitch: 4.2 mm, number of positions: 2, color: gray

Labeled terminal marker

Marker card - SK 3,8 REEL P4,15 WH CUS - 0825990



Marker card, Card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 4.15 mm, lettering field size: continuous x 3.8 mm

Marker card - SK 2,8 REEL P4,15 WH CUS - 8199987



Marker card, Card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 4.15 mm, lettering field size: continuous x 2.8 mm

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Accessories

Marker card - SK 3,8 REEL P4,15 WH CUS - 8199988



Marker card, Card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 4.15 mm, lettering field size: continuous x 3.8 mm

Mounting material

Flange - PTFIX 1,5-F - 1049503



Flange, with screw-on fixing, width: 7.7 mm, height: 17.7 mm, color: gray, mounting type: Screw mounting

DIN rail adapter - PTFIX 1,5-NS15A - 1049500



DIN rail adapter, length: 21.6 mm, width: 8 mm, height: 10.85 mm

DIN rail adapter - PTFIX 1,5-NS35 - 1049497



DIN rail adapter, length: 58.1 mm, width: 21.6 mm, height: 11 mm

DIN rail adapter - PTFIX 1,5-NS35AD - 1049498



DIN rail adapter, for NS 35 for accommodating two rows of PTFIX 1,5 distribution blocks, length: 44.4 mm, width: 8 mm, height: 10.9 mm

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Accessories

Assembly adapters - PTFIX 1,5-RZF - 1050613



Adapter for direct mounting

Terminal marking

Marking foil for zack marker strip - TML (EX3,8)R - 0801837



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, lettering field size: 30000 x 3.8 mm, Number of individual labels: 1

Marking foil for zack marker strip - TML (104X3,8)R - 0801833



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 3.8 mm, Number of individual labels: 2500

Marking foil for zack marker strip - TML (104X2,8)R - 0801832



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 2.8 mm, Number of individual labels: 2500

Marking foil for zack marker strip - TML (EX2,8)R - 0801836



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, lettering field size: 30000 x 2.8 mm, Number of individual labels: 1

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Accessories

Marker for terminal blocks - US-TML (104X3,8) - 0830768



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 104 x 3.8 mm, Number of individual labels: 22

Marker for terminal blocks - US-TML (104X2,8) - 0830767



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 104 x 2.8 mm, Number of individual labels: 26

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 3.8 mm, Number of individual labels: 1440

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 2.8 mm, Number of individual labels: 3600

Label - MM-TML (EX3,8)R C1 WH/BK - 1092026



Label, Roll, white, unlabeled, can be labeled with: THERMOFOX, THERMOMARK GO, THERMOMARK GO.K, mounting type: adhesive, for terminal block width: 8000 mm, lettering field size: continuous x 3.8 mm

Test plug terminal block

Distribution block - PTFIX 4/6X1,5 GY - 1047466

Accessories

Accessories - MPS-MT 1-S4-B RD - 1982800



Accessories, number of positions: 1, pitch: 0 mm