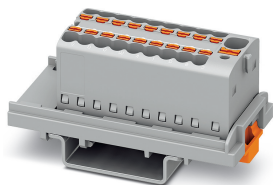


Distribution block - PTFIX 4/18X1,5-NS35 GY - 1047454

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Distribution block, Block with vertical alignment and integrated supply, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, Load contact, cross section: 0.14 mm² - 2.5 mm², Line contact, Rated cross section: 4 mm², cross section: 0.2 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- ✓ Convenient test options, thanks to test openings at every terminal point
- ✓ Space-saving potential distribution, thanks to compact micro potential distributors
- ✓ Flexible use, thanks to DIN rail and direct mounting
- ✓ Space-saving, thanks to the compact design
- ✓ Clear arrangement thanks to marking of all terminal points



Key Commercial Data

Packing unit	20 pc
GTIN	
GTIN	4055626665597
Weight per Piece (excluding packing)	22.835 g
Weight per piece (including packing)	22.835 g
Custom tariff number	85369010
Country of origin	Poland
Sales Key	A1 - Terminal Strips

Technical data

General

Number of rows	1
Number of connections	19
Nominal cross section	1.5 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0

Distribution block - PTFIX 4/18X1,5-NS35 GY - 1047454

Technical data

General

Mounting type	NS 35/7,5
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.56 W
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	500 V
Maximum load current	41 A (with 6 mm ² conductor cross section)
Maximum total current	41 A
Nominal current I _N	41 A
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!
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Result of surge voltage test	Test passed
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of flexion and pull-out test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Tensile test result	Test passed
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35/NS 15
Setpoint	5 N
Result of voltage-drop test	Test passed
Result of temperature-rise test	Test passed
Requirement temperature-rise test	Increase in temperature ≤ 45 K
Short circuit stability result	Test passed
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Oscillation, broadband noise test result	Test passed

Distribution block - PTFIX 4/18X1,5-NS35 GY - 1047454

Technical data

General

Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2018-05
Test spectrum	Service life test category 2, bogie-mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
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):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

Dimensions

Width	21.6 mm
Length	58.1 mm
Height NS 35/7,5	28.4 mm
Height NS 15	26.4 mm

Connection data

Connection	Load contact
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60947-7-1
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

Distribution block - PTFIX 4/18X1,5-NS35 GY - 1047454

Technical data

Connection data

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
Internal cylindrical gage	A3
Connection	Line contact
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 RTI Elec.)
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Distribution block - PTFIX 4/18X1,5-NS35 GY - 1047454

Technical data

Ambient conditions

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 60947-7-1
	IEC 60998-2-2

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 11.0	27141120
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 6.0	EC000897
ETIM 7.0	EC000897

UNSPSC

UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

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


Distribution block - PTFIX 4/18X1,5-NS35 GY - 1047454


Approvals


Ex Approvals


Approval details

EAC		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	RU C- DE.BL08.B.00644
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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	
mm ² /AWG/kcmil	24-10	24-10	

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	
mm ² /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	
mm ² /AWG/kcmil	24-10	24-10	

IECEE CB Scheme		http://www.iecee.org/	DE1-62701
Nominal voltage UN	500 V		
Nominal current IN	32 A		
mm ² /AWG/kcmil	4		

Distribution block - PTFIX 4/18X1,5-NS35 GY - 1047454

Approvals

LR		http://www.lr.org/en	LR2002627TA
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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	40047797
Nominal voltage UN	500 V		
Nominal current IN	32 A		
mm ² /AWG/kcmil	0.2-1.5		

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

cULus Recognized	
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Accessories

Accessories

Insulating sleeve

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



Insulating sleeve, color: white

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Accessories

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



Insulating sleeve, color: gray

Jumper

Plug-in bridge - FBS 2-4 - 3030116



Plug-in bridge, pitch: 4.2 mm, color: red

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



Plug-in bridge, pitch: 4.2 mm, color: gray

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



Plug-in bridge, pitch: 4.2 mm, color: blue

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

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Accessories

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

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 4/18X1,5-NS35 GY - 1047454

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 2.8 mm

Test plug terminal block

Distribution block - PTFIX 4/18X1,5-NS35 GY - 1047454

Accessories

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



Accessories

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