High-current terminal block - PTPOWER 150-3L/N/FE-F - 3215036

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The figure shows a version of the article

High-current terminal block, Blocked, Connection method: Power-Turn connection, Number of positions: 5, Cross section: 50 mm² - 150 mm², AWG: 1/0 - 300 kcmil, Width: 31 mm, Height: 108.3 mm, Color: gray/blue/black-yellow, Mounting type: ct screw connection

Why buy this product

- Quick and easy connection is now also possible for large conductors with the high-current terminal block
- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The compact design enables wiring in a confined space
- In addition to using the existing test connection, pick-off terminal blocks can be connected, each of which can also accommodate two test cables

RoHS

Key Commercial Data

Packing unit	1 STK
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of positions	5
Number of levels	1
Number of connections	10
Potentials	5
Nominal cross section	150 mm²
Color	gray/blue/black-yellow
Insulating material	PA
Flammability rating according to UL 94	V0

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Technical data

General

Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum load current	309 A (with 150 mm² conductor cross section)
Nominal current I_N	309 A
Nominal voltage U_N	1500 V
Open side panel	No
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
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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	31 mm
Length	150 mm
Height	108.3 mm
Hole diameter	6.5 mm
Drill hole spacing	137.2 mm
Pitch	31 mm

Connection data

Connection method	Power-Turn connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	50 mm²
Conductor cross section solid max.	150 mm²

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Technical data

Connection data

Conductor cross section AWG min.	1/0
Conductor cross section AWG max.	300 kcmil
Conductor cross section flexible min.	50 mm²
Conductor cross section flexible max.	150 mm²
Min. AWG conductor cross section, flexible	1/0
Max. AWG conductor cross section, flexible	300 kcmil
Conductor cross section flexible, with ferrule without plastic sleeve min.	50 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	95 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	50 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	95 mm²
Cross section with insertion bridge solid min.	50 mm²
Cross section with insertion bridge, solid max.	150 mm²
Cross section with insertion bridge stranded min.	50 mm²
Cross section with insertion bridge, stranded max.	150 mm²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	50 mm²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve max.	95 mm²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	50 mm²
Cross section with insertion bridge stranded, with ferrule with plastic sleeve max.	95 mm²
Cross section with insertion bridge, solid max.	150 mm²
Cross section with insertion bridge, stranded max.	150 mm²
Stripping length	40 mm
Internal cylindrical gage	B14

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

Environmental Product Compliance

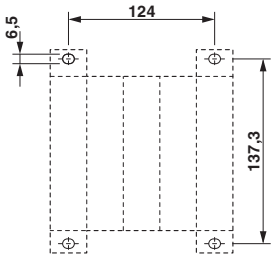
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

High-current terminal block - PTPOWER 150-3L/N/FE-F - 3215036

Circuit diagram

Dimensional drawing



Approvals

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LR / BV / UL Recognized / cUL Recognized / CSA / DNV GL / cULus Recognized

Ex Approvals

Approval details

LR http://www.lr.org/en 15/20030

BV http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials 40933/A1 BV

UL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425

	B	C
mm²/AWG/kcmil	2-300	2-300
Nominal current IN	270 A	270 A
Nominal voltage UN	1000 V	1000 V

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mm²/AWG/kcmil	2-300
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Approvals

CSA http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ 13631

	C
mm²/AWG/kcmil	2-300
Nominal current IN	270 A
Nominal voltage UN	1000 V

DNV GL https://www.dnvgl.com/ TAE00000Z9

cULus Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm