

High-current terminal block - PTPOWER 50-3L - 3260053

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High-current terminal block, Blocked, Connection method: Power-Turn connection, Cross section: 10 mm² - 70 mm², AWG: 8 - 2/0, Width: 60 mm, Color: gray, Mounting type: NS 35/15

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
Minimum order quantity	3 STK
Weight per Piece (excluding packing)	473.330 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	6
Potentials	1
Nominal cross section	50 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV

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Technical data

General

Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum load current	150 A (with 50 mm ² conductor cross section)
Nominal current I _N	150 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	60 mm
Length	101 mm
Height NS 35/15	105 mm

Connection data

Connection method	Power-Turn connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	10 mm ²
Conductor cross section solid max.	70 mm ²
Conductor cross section AWG min.	8
Conductor cross section AWG max.	2/0
Conductor cross section flexible min.	10 mm ²
Conductor cross section flexible max.	70 mm ²

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Technical data

Connection data

Min. AWG conductor cross section, flexible	8
Max. AWG conductor cross section, flexible	2/0
Conductor cross section flexible, with ferrule without plastic sleeve min.	10 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	10 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	50 mm ²
Cross section with insertion bridge solid min.	10 mm ²
Cross section with insertion bridge, solid max.	50 mm ²
Cross section with insertion bridge stranded min.	10 mm ²
Cross section with insertion bridge, stranded max.	50 mm ²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	10 mm ²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve max.	50 mm ²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	10 mm ²
Cross section with insertion bridge stranded, with ferrule with plastic sleeve max.	50 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	10 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	16 mm ²
Cross section with insertion bridge, solid max.	50 mm ²
Cross section with insertion bridge, stranded max.	50 mm ²
Stripping length	30 mm
Internal cylindrical gage	A10

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

Circuit diagram



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Approvals


Approvals

Approvals


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

Ex Approvals


Approval details

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

	B	C
mm ² /AWG/kcmil	8-1/0	8-1/0
Nominal current IN	140 A	140 A
Nominal voltage UN	600 V	1000 V

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

	C
mm ² /AWG/kcmil	8-1/0
Nominal current IN	140 A
Nominal voltage UN	1000 V

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

	C
mm ² /AWG/kcmil	8-1/0
Nominal current IN	140 A
Nominal voltage UN	1000 V


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

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

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Approvals

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

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