Ground modular terminal block - PTPOWER 50-PE - 3260052

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Ground modular terminal block, connection method: Power-Turn connection, number of connections: 2, cross section:10 mm² - 70 mm², AWG: 8 - 2/0, width: 20 mm, color: green-yellow, 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	10 STK
GTIN	4 046356 998758
GTIN	4046356998758

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	50 mm²
Color	green-yellow
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Open side panel	No

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Technical data

General

Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
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):2008-03
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
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	20 mm
Length	101 mm
Height NS 35/15	105 mm

Connection data

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Connection data

Note	Use an appropriate NS 35... copper or aluminum DIN rail for connection cross sections > 35 mm²/2 AWG.
Connection method	Power-Turn connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	10 mm²
Conductor cross section solid max.	70 mm²
Conductor cross section AWG min.	8
Conductor cross section AWG max.	2/0
Conductor cross section flexible min.	10 mm²
Conductor cross section flexible max.	70 mm²
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 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	10 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	50 mm²
Cross section with insertion bridge solid min.	10 mm²
Cross section with insertion bridge, solid max.	50 mm²
Cross section with insertion bridge stranded min.	10 mm²
Cross section with insertion bridge, stranded max.	50 mm²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	10 mm²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve max.	50 mm²
Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.	10 mm²
Cross section with insertion bridge stranded, with ferrule with plastic sleeve max.	50 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	16 mm²
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
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3

Environmental Product Compliance

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Environmental Product Compliance

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

Drawings

Circuit diagram

Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

	B	C
Nominal voltage UN	600 V	1000 V
mm²/AWG/kcmil	8-1/0	8-1/0

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

Nominal voltage UN	1000 V
mm²/AWG/kcmil	8-1/0

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

	C
Nominal voltage UN	1000 V
mm²/AWG/kcmil	8-1/0

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Approvals

DNV GL		http://exchange.dnv.com/tari/	TAE00000Z9
LR		http://www.lr.org/en	15/20030
BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	40933/A1 BV
EAC			RU C-DE.A*30.B.01742
cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	

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