

High-current terminal block - PTPOWER 50 BU - 3260051

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High-current terminal block, nom. voltage: 1000 V AC / 1500 V DC, nominal current: 150 A, connection method: Power-Turn connection, number of connections: 2, number of positions: 1, cross section: 10 mm² - 70 mm², AWG: 8 - 2/0, width: 20 mm, color: blue, mounting type: NS 35/15

Your advantages

- ✓ 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



Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4046356998017

Technical data

General

Number of positions	1
Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	50 mm ²
Color	blue
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III

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Technical data

General

Insulating material group	I
Maximum power dissipation for nominal condition	4.73 W
Designation	Level 1 above 1 below 1
Maximum load current	150 A (with 50 mm ² conductor cross section)
Nominal current I _N	150 A
Nominal voltage U _N	1000 V AC
	1500 V DC
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	20 mm
Length	101 mm
Height NS 35/15	105 mm

Connection data

Connection	1 level
Connection method	Power-Turn connection
Stripping length	30 mm ... 32 mm
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
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
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

Environmental Product Compliance

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

Drawings

Circuit diagram



Approvals

Approvals

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Approvals


Approvals

DNV GL / CSA / BV / LR / UL Recognized / cUL Recognized / EAC / EAC / KEMA-KEUR / IECCEB CB Scheme / cULus Recognized


Ex Approvals


Approval details


DNV GL		https://approvalfinder.dnvgl.com/	TAE0000029
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CSA		http://www.csagroup.org/services-industries/product-listing/	13631
		B	C
Nominal voltage UN		600 V	1000 V
Nominal current IN		140 A	140 A
mm ² /AWG/kcmil		8	8

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	40933/A1 BV
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LR		http://www.lr.org/en	15/20030
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
Nominal voltage UN		1000 V	
Nominal current IN		140 A	
mm ² /AWG/kcmil		8	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
Nominal voltage UN		1000 V	
Nominal current IN		140 A	


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Approvals

	C
mm ² /AWG/kcmil	8

EAC		RU C- DE.A*30.B.01742
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EAC		RU C- DE.AI30.B.01102
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KEMA-KEUR		http://www.dekra-certification.com	71-108088
Nominal current I _N	150 A		
mm ² /AWG/kcmil	10-70		

IECEE CB Scheme		http://www.iecee.org/	NL-57839
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cULus Recognized	
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