High-current terminal block - PTPOWER 35-F BU - 3212079

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High-current terminal block, Connection method: Power-Turn connection, Cross section: 2.5 mm² - 35 mm², AWG: 12 - 2, Width: 16 mm, Height: 68.3 mm, Color: blue, 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 and front connection enable wiring in a confined space
- In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	10 STK
GTIN	4 046356 869836
GTIN	4046356869836
Weight per Piece (excluding packing)	94.000 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	35 mm²

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Technical data

General

Color	blue
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
Maximum load current	125 A (with 35 mm² conductor cross section)
Nominal current I_N	125 A
Nominal voltage U_N	1000 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	16 mm
Length	120.2 mm
Height	68.3 mm
Hole diameter	5.5 mm
Drill hole spacing	108 mm

Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection method	Power-Turn connection

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Connection data

Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	35 mm²
Conductor cross section AWG min.	12
Conductor cross section AWG max.	2
Conductor cross section flexible min.	2.5 mm²
Conductor cross section flexible max.	35 mm²
Min. AWG conductor cross section, flexible	12
Max. AWG conductor cross section, flexible	2
Conductor cross section flexible, with ferrule with plastic sleeve min.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	2.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm²
Stripping length	25 mm

Standards and Regulations

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

Approvals

Approvals

Approvals

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

Ex Approvals

High-current terminal block - PTPOWER 35-F BU - 3212079

Approvals

Approval details

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

	B	C
mm²/AWG/kcmil	14-2	14-2
Nominal current IN	115 A	115 A
Nominal voltage UN	600 V	1000 V

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

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

	C
mm²/AWG/kcmil	14-2
Nominal current IN	115 A
Nominal voltage UN	1000 V

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

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

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