

High-current terminal block - PTPOWER 35-3L/FE-F - 3212075

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High-current terminal block, Connection method: Power-Turn connection, Cross section: 2.5 mm² - 35 mm², AWG: 12 - 2, Width: 64 mm, Height: 68.3 mm, Color: gray/black-yellow, Mounting type: NS 35/15

The figure shows a version of the article

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

Key Commercial Data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 STK |
| Minimum order quantity | 2 STK |
| Weight per Piece (excluding packing) | 380.000 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

General

| | |
|-----------------------|--------------------|
| Number of levels | 1 |
| Number of connections | 8 |
| Potentials | 4 |
| Nominal cross section | 35 mm ² |
| Color | gray/black-yellow |
| Insulating material | PA |

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Technical data

General

| | |
|---|---|
| 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 mm ² 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 | 64 mm |
| Length | 120.2 mm |
| Height | 68.3 mm |
| Hole diameter | 5.5 mm |
| Drill hole spacing | 108 mm |
| Pitch | 16 mm |

Connection data

| | |
|------------------------------------|--|
| Note | Please observe the current carrying capacity of the DIN rails. |
| Connection method | Power-Turn connection |
| Conductor cross section solid min. | 2.5 mm ² |

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Technical data

Connection data

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

Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Environmental Product Compliance

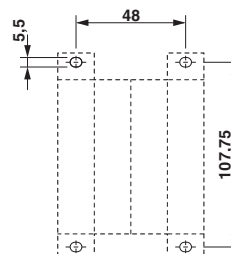
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Circuit diagram



Dimensional drawing



Approvals

Approvals

Approvals

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

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Approvals

Ex Approvals

Approval details

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

| | B | C |
|--------------------------------|-------|--------|
| mm ² /AWG/kcmil | 14-2 | 14-2 |
| Nominal current I _N | 115 A | 115 A |
| Nominal voltage U _N | 600 V | 1000 V |

BV <http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials40933/A1BV>

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 |
|--------------------------------|--------|
| mm ² /AWG/kcmil | 14-2 |
| Nominal current I _N | 115 A |
| Nominal voltage U _N | 1000 V |

LR <http://www.lr.org/en1520030>

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

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