

High-current terminal block - PTPOWER 150-3L/N-F - 3215034

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



High-current terminal block, Blocked, Connection method: Power-Turn connection, Number of positions: 4, Cross section: 50 mm² - 150 mm², AWG: 1/0 - 300 kcmil, Width: 31 mm, Height: 108.3 mm, Color: gray/blue, Mounting type: ct screw connection

Product Features

- ✓ 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 | 1 pc |
| Weight per Piece (excluding packing) | 1380.0 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

General

| | |
|--|---------------------|
| Number of levels | 1 |
| Number of connections | 8 |
| Nominal cross section | 150 mm ² |
| Color | gray/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 |

High-current terminal block - PTPOWER 150-3L/N-F - 3215034

Technical data

General

| | |
|----------------------------------|--|
| Connection in acc. with standard | IEC 60947-7-1 |
| Maximum load current | 309 A (with 150 mm ² conductor cross section) |
| Nominal current I _N | 309 A |
| Nominal voltage U _N | 1500 V |
| Open side panel | No |
| Number of positions | 4 |

Dimensions

| | |
|--------------------|-----------|
| Width | 31 mm |
| Length | 150 mm |
| Height | 108.3 mm |
| Hole diameter | 6.5 mm |
| Drill hole spacing | 137.20 mm |

Connection data

| | |
|--|-----------------------|
| Connection method | Power-Turn connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 50 mm ² |
| Conductor cross section solid max. | 150 mm ² |
| Conductor cross section AWG min. | 1/0 |
| Conductor cross section AWG max. | 300 kcmil |
| Conductor cross section flexible min. | 50 mm ² |
| Conductor cross section flexible max. | 150 mm ² |
| Min. AWG conductor cross section, flexible | 1/0 |
| Max. AWG conductor cross section, flexible | 300 kcmil |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 50 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 95 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 50 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 95 mm ² |
| Cross section with insertion bridge solid min. | 50 mm ² |
| Cross section with insertion bridge, solid max. | 150 mm ² |
| Cross section with insertion bridge stranded min. | 50 mm ² |
| Cross section with insertion bridge, stranded max. | 150 mm ² |
| Cross section with insertion bridge stranded, with ferrule without plastic sleeve min. | 50 mm ² |
| Cross section with insertion bridge stranded, with ferrule without plastic sleeve max. | 95 mm ² |
| Cross section with insertion bridge stranded, with ferrule without plastic sleeve min. | 50 mm ² |

High-current terminal block - PTPOWER 150-3L/N-F - 3215034

Technical data

Connection data

| | |
|---|---------------------|
| Cross section with insertion bridge stranded, with ferrule with plastic sleeve max. | 95 mm ² |
| Cross section with insertion bridge, solid max. | 150 mm ² |
| Cross section with insertion bridge, stranded max. | 150 mm ² |
| Stripping length | 40 mm |
| Internal cylindrical gage | B14 |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

High-current terminal block - PTPOWER 150-3L/N-F - 3215034

Approvals

EAC

LR

BV

GL

UL Recognized

| | B | C |
|--------------------------------|--------|--------|
| mm ² /AWG/kcmil | 2-300 | 2-300 |
| Nominal current I _N | 270 A | 270 A |
| Nominal voltage U _N | 1000 V | 1000 V |

cUL Recognized

| | C |
|--------------------------------|--------|
| mm ² /AWG/kcmil | 2-300 |
| Nominal current I _N | 270 A |
| Nominal voltage U _N | 1000 V |

cULus Recognized

Drawings

Circuit diagram



Dimensional drawing



