

## High-current terminal block - PTPOWER 50-3L/N-F - 3260058

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, Cross section: 10 mm<sup>2</sup> - 70 mm<sup>2</sup>, AWG: 8 - 2/0, Width: 80 mm, Height: 96 mm, Color: gray/blue, Mounting type: NS 35/15

The figure shows a version of the article

### 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     |
| Minimum order quantity               | 3 pc     |
| Weight per Piece (excluding packing) | 670.0 g  |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Poland   |

### Technical data

#### General

|  |                    |
|--|--------------------|
| Number of levels                       | 1                  |
| Number of connections                  | 8                  |
| Nominal cross section                  | 50 mm <sup>2</sup> |
| Color                                  | gray/blue          |
| Insulating material                    | PA                 |
| Flammability rating according to UL 94 | V0                 |
| Rated surge voltage                    | 8 kV               |
| Degree of pollution                    | 3                  |

# High-current terminal block - PTPOWER 50-3L/N-F - 3260058

## Technical data

### General

|                                  |   |
|----------------------------------|---|
| Overvoltage category             | III   |
| Insulating material group        | I   |
| Connection in acc. with standard | IEC 60947-7-1   |
| Maximum load current             | 150 A (with 50 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>   | 150 A   |
| Nominal voltage U <sub>N</sub>   | 1500 V  |
| Open side panel                  | No  |

### Dimensions

|                    |           |
|--------------------|-----------|
| Width              | 80 mm     |
| Length             | 101 mm    |
| Height             | 96 mm     |
| Hole diameter      | 6.5 mm    |
| Drill hole spacing | 123.40 mm |

### Connection data

|  |                       |
|--|-----------------------|
| Connection method  | Power-Turn connection |
| Connection in acc. with standard   | IEC 60947-7-1         |
| Conductor cross section solid min.   | 10 mm <sup>2</sup>    |
| Conductor cross section solid max.   | 70 mm <sup>2</sup>    |
| Conductor cross section AWG min.   | 8                     |
| Conductor cross section AWG max.   | 2/0                   |
| Conductor cross section flexible min.  | 10 mm <sup>2</sup>    |
| Conductor cross section flexible max.  | 70 mm <sup>2</sup>    |
| 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 <sup>2</sup>    |
| Conductor cross section flexible, with ferrule without plastic sleeve max.             | 50 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                | 10 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                | 50 mm <sup>2</sup>    |
| Cross section with insertion bridge solid min.   | 10 mm <sup>2</sup>    |
| Cross section with insertion bridge, solid max.  | 50 mm <sup>2</sup>    |
| Cross section with insertion bridge stranded min.                                      | 10 mm <sup>2</sup>    |
| Cross section with insertion bridge, stranded max.                                     | 50 mm <sup>2</sup>    |
| Cross section with insertion bridge stranded, with ferrule without plastic sleeve min. | 10 mm <sup>2</sup>    |
| Cross section with insertion bridge stranded, with ferrule without plastic sleeve max. | 50 mm <sup>2</sup>    |

# High-current terminal block - PTPOWER 50-3L/N-F - 3260058

## Technical data

### Connection data

|   |                    |
|---|--------------------|
| Cross section with insertion bridge stranded, with ferrule without plastic sleeve min.  | 10 mm <sup>2</sup> |
| Cross section with insertion bridge stranded, with ferrule with plastic sleeve max.     | 50 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 10 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 16 mm <sup>2</sup> |
| Cross section with insertion bridge, solid max.   | 50 mm <sup>2</sup> |
| Cross section with insertion bridge, stranded max.                                      | 50 mm <sup>2</sup> |
| 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            |

## 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 5.0 | EC000897 |
|----------|----------|

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

#### Approvals submitted

# High-current terminal block - PTPOWER 50-3L/N-F - 3260058

## Approvals

### Approval details

|                                |       |        |
|--------------------------------|-------|--------|
| CSA                            |       |        |
|                                | B     | C      |
| mm <sup>2</sup> /AWG/kcmil     | 8-1/0 | 8-1/0  |
| Nominal current I <sub>N</sub> | 140 A | 140 A  |
| Nominal voltage U <sub>N</sub> | 600 V | 1000 V |

|                                |        |
|--------------------------------|--------|
| UL Recognized                  |        |
|                                |        |
| mm <sup>2</sup> /AWG/kcmil     | 8-1/0  |
| Nominal current I <sub>N</sub> | 140 A  |
| Nominal voltage U <sub>N</sub> | 1000 V |

|                                |        |
|--------------------------------|--------|
| cUL Recognized                 |        |
|                                | C      |
| mm <sup>2</sup> /AWG/kcmil     | 8-1/0  |
| Nominal current I <sub>N</sub> | 140 A  |
| Nominal voltage U <sub>N</sub> | 1000 V |

|                  |  |
|------------------|--|
| cULus Recognized |  |
|------------------|--|

## Drawings

## High-current terminal block - PTPOWER 50-3L/N-F - 3260058

Circuit diagram



Dimensional drawing

