



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



High-current terminal block - PTPOWER 150 F BU - 3215031

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, nom. voltage: 1500 V, nominal current: 309 A, connection method: Power-Turn connection, number of connections: 2, number of positions: 1, cross section: 50 mm² - 150 mm², AWG: 1/0 - 300 kcmil, width: 31 mm, height: 108.3 mm, color: blue, mounting type: direct screw connection

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 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 | 3 STK |
| GTIN | |
| GTIN | 4046356903493 |

Technical data

General

| | |
|--|---------------------|
| Number of positions | 1 |
| Number of levels | 1 |
| Number of connections | 2 |
| Potentials | 1 |
| Nominal cross section | 150 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 |

High-current terminal block - PTPOWER 150 F BU - 3215031

Technical data

General

| | |
|---|--|
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 9.55 W |
| Maximum load current | 309 A (with 150 mm ² conductor cross section) |
| Nominal current I _N | 309 A |
| Nominal voltage U _N | 1500 V DC |
| | 1000 V AC |
| 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 | 31 mm |
| Length | 150 mm |
| Height | 108.3 mm |
| Hole diameter | 6.5 mm |
| Drill hole spacing | 137.2 mm |
| Pitch | 31 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 |

High-current terminal block - PTPOWER 150 F BU - 3215031

Technical data

Connection data

| | |
|--|---------------------|
| 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 |
| Cross section with insertion bridge stranded, with ferrule with plastic sleeve max. | 95 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 |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 |

Environmental Product Compliance

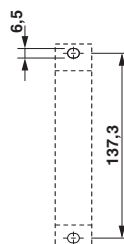
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Circuit diagram



Dimensional drawing



High-current terminal block - PTPOWER 150 F BU - 3215031

Approvals


Approvals


Approvals

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

Ex Approvals

Approval details


| | | |
|-----|---|---------------|
| EAC |  | EAC-Zulassung |
|-----|---|---------------|

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

| | | | |
|----|---|---|-------------|
| 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 |
|---------------|---|---|--------------|


| | B | C |
|----------------------------|--------|--------|
| Nominal voltage UN | 1000 V | 1000 V |
| Nominal current IN | 270 A | 270 A |
| mm ² /AWG/kcmil | 2-300 | 2-300 |

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

| | C |
|----------------------------|--------|
| Nominal voltage UN | 1000 V |
| Nominal current IN | 270 A |
| mm ² /AWG/kcmil | 2-300 |

High-current terminal block - PTPOWER 150 F BU - 3215031

Approvals

| | | | |
|-----|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
|-----|---|---|-------|

| | |
|----------------------------|--------|
| | C |
| Nominal voltage UN | 1000 V |
| Nominal current IN | 270 A |
| mm ² /AWG/kcmil | 2-300 |

| | | |
|--------|---|------------|
| DNV GL | http://exchange.dnv.com/tari/ | TAE0000029 |
|--------|---|------------|

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.A*30.B.01742 |
|-----|---|--------------------------|

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

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>