



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!



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High-current terminal block - PTPOWER 150 F - 3215030

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High-current terminal block, Connection method: Power-Turn connection, Number of positions: 1, Cross section: 50 mm² - 150 mm², AWG: 1/0 - 300 kcmil, Width: 31 mm, Height: 108.3 mm, Color: gray, 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 |
| Minimum order quantity | 3 pc |
| Weight per Piece (excluding packing) | 360.0 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

General

| | |
|--|---------------------|
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 150 mm ² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |

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Technical data

General

| | |
|---|--|
| Insulating material group | I |
| 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 | 1 |
| Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection | guaranteed |
| Finger protection | guaranteed |
| Result of surge voltage test | Test passed |
| Surge voltage test setpoint | 14.8 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed |
| Result of bending test | Test passed |
| Bending test rotation speed | 10 rpm |
| Bending test turns | 135 |
| Bending test conductor cross section/weight | 50 mm ² / 9.5 kg |
| | 150 mm ² / 15 kg |
| Tensile test result | Test passed |
| Conductor cross section tensile test | 50 mm ² |
| Tractive force setpoint | 236 N |
| Conductor cross section tensile test | 150 mm ² |
| Tractive force setpoint | 427 N |
| Result of tight fit on support | Test passed |
| Setpoint | 15 N |
| Result of voltage-drop test | Test passed |
| Requirements, voltage drop | ≤ 3.2 mV |
| Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed |
| Conductor cross section short circuit testing | 150 mm ² |
| Short-time current | 18 kA |
| Result of aging test | Test passed |
| Ageing test for screwless modular terminal block temperature cycles | 192 |
| Result of thermal test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |

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Technical data

General

| | |
|---|---|
| Oscillation, broadband noise test result | Test passed |
| Test specification, oscillation, broadband noise | DIN EN 50155 (VDE 0115-200):2008-03 |
| Test spectrum | Service life test category 1, class B, body mounted |
| Test frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$ |
| ASD level | $0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$ |
| Acceleration | 0.58 g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Shock test result | Test passed |
| Test specification, shock test | DIN EN 50155 (VDE 0115-200):2008-03 |
| Shock form | Half-sine |
| Acceleration | 5 g |
| Shock duration | 30 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| 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 |

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 |

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Technical data

Connection data

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

High-current terminal block - PTPOWER 150 F - 3215030

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

EAC

LR

BV

GL

UL Recognized

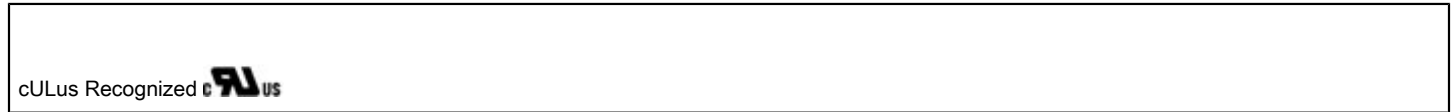
| | B | C |
|--------------------------------|--------|--------|
| mm ² /AWG/kcmil | 2-300 | 2-300 |
| Nominal current I _N | 270 A | 270 A |
| Nominal voltage U _N | 1000 V | 1000 V |

cUL Recognized

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

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Approvals



Drawings

Circuit diagram



Dimensional drawing

