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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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Feed-through terminal block - BT 2,0 - 3281123

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Feed-through terminal block, nom. voltage: 690 V, nominal current: 24 A, connection method: Ring cable lug, number of connections: 2, width: 8 mm, color: black, mounting type: NS 35/7,5, NS 35/15

Why buy this product

- Convenient ring cable lug connection thanks to the screw connection principle with spring-guided screw; maintenance-free with integrated screw locking
- Easy potential distribution with time-saving jumper system
- Safety for users thanks to integrated shock protection
- Maximum overview thanks to extensive marking and labeling of every terminal point
- Reduction in logistics costs with the uniform CLIPLINE complete system accessories

Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 50 STK |
| Minimum order quantity | 50 STK |
| GTIN |  4 055626 119106 |
| GTIN | 4055626119106 |

Technical data

General

| | |
|--|---------------------|
| Number of levels | 1 |
| Number of connections | 2 |
| Potentials | 1 |
| Nominal cross section | 2.5 mm ² |
| Color | black |
| Insulating material | PC |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 6 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |

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Technical data

General

| | |
|---|---|
| Insulating material group | IIIa |
| Maximum power dissipation for nominal condition | 0.77 W |
| Ambient temperature (operation) | -40 °C ... 110 °C |
| Maximum load current | 24 A |
| Nominal current I_N | 24 A |
| Nominal voltage U_N | 690 V |
| Open side panel | Yes |
| 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 | 7.3 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Power frequency withstand voltage setpoint | 1.89 kV |
| 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 | 2.5 mm ² / 0.7 kg |
| Tensile test result | Test passed |
| Conductor cross section tensile test | 2.5 mm ² |
| Tractive force setpoint | 50 N |
| Conductor cross section tensile test | 2 mm ² |
| Tractive force setpoint | 50 N |
| Result of tight fit on support | Test passed |
| Tight fit on carrier | NS 35 |
| Setpoint | 1 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 | 2.5 mm ² |
| Short-time current | 0.3 kA |
| Conductor cross section short circuit testing | 2 mm ² |
| Short-time current | 0.24 kA |
| Result of thermal test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| 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 2, bogie-mounted |

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Technical data

General

| | |
|---|--|
| Test frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level | $6.12 \text{ (m/s}^2\text{)}^2/\text{Hz}$ |
| Acceleration | 3.12 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 | 30g |
| Shock duration | 18 ms |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |

Dimensions

| | |
|------------------|---------|
| Width | 8 mm |
| Length | 42 mm |
| Height NS 35/7,5 | 33.5 mm |
| Height NS 35/15 | 41 mm |

Connection data

| | |
|---|----------------------|
| Connection method | Ring cable lug |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Min. AWG conductor cross section, flexible | 26 |
| Max. AWG conductor cross section, flexible | 14 |
| Cable lug connection according to standard | DIN 46234 |
| Min. cross section for cable lug connection | 0.14 mm ² |
| Max. cross section for cable lug connection | 2.5 mm ² |
| AWG min | 26 |
| AWG max | 16 |
| Hole diameter, min. | 3.7 mm |
| Cable lug width, max. | 6.8 mm |
| Bolt diameter | 3.5 mm |
| Screw thread | M3,5 |
| Tightening torque, min | 1 Nm |
| Tightening torque max | 1.3 Nm |
| Screw thread | M3,5 |
| Tightening torque, min | 1 Nm |
| Tightening torque max | 1.3 Nm |

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Technical data

Connection data (JIS standard)

| | |
|---|---------------------|
| Connection method | Ring cable lug |
| Connection in acc. with standard | JIS 8207-7-1 |
| Single-wire/terminal point, solid diameter min. | 0.5 mm |
| Single-wire/terminal point, solid diameter max. | 1.6 mm |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 2 mm ² |
| Cable lug connection according to standard | JIS 8207-7-1 |
| Min. cross section for cable lug connection | 0.5 mm ² |
| Max. cross section for cable lug connection | 2 mm ² |
| Hole diameter, min. | 3.7 mm |
| Cable lug width, max. | 6.8 mm |
| Bolt diameter | 3.5 mm |
| Screw thread | M3,5 |
| Tightening torque, min | 1 Nm |
| Tightening torque max | 1.3 Nm |
| Nominal current I _N | 21 A |
| Maximum load current | 21 A |
| Nominal voltage U _N | 600 V |

Standards and Regulations

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

Environmental Product Compliance

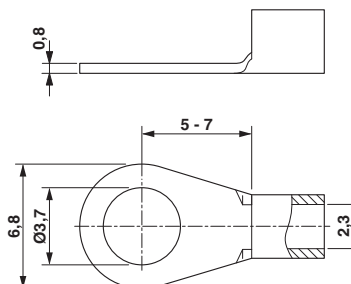
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Circuit diagram

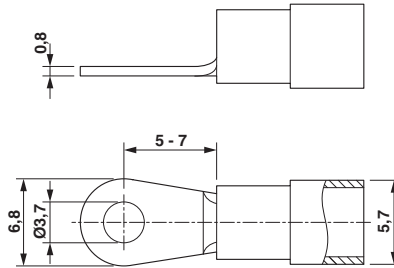


Dimensional drawing



Feed-through terminal block - BT 2,0 - 3281123

Dimensional drawing



Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

| | | | |
|----------------------------|-------|---|--------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 15 A | 15 A | |
| mm ² /AWG/kcmil | 26-14 | 26-14 | |


| | | | |
|----------------------------|-------|---|--------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 15 A | 15 A | |
| mm ² /AWG/kcmil | 26-14 | 26-14 | |

| | | |
|--------|---|-----------|
| DNV GL | http://exchange.dnv.com/tari/ | TAE0001S2 |
|--------|---|-----------|

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Approvals

| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 15 A | 15 A | |
| mm ² /AWG/kcmil | 26-14 | 26-14 | |

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

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