

Bolt connection terminal block - RT 5-PE - 3049424

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Ground terminal block with bolt connection, cross section: 0.1 - 6 mm², AWG: 26 - 10, width 16.3 mm, color: Green-yellow

Product Features

- Low contact resistance
- Corrosion-free terminal points
- Additional labeling options
- Green-yellow housing
- Tested for railway applications



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 47.836 g |
| Custom tariff number | 85369010 |
| Country of origin | China |

Technical data

General

| | |
|-----------------------|-------------------------------------------------------------------------------------------------|
| Note | Note: the BE-RT... path extension is to be used for non-insulated cable lugs (see accessories). |
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 6 mm ² |
| Color | green-yellow |
| Insulating material | PA |

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Technical data

General

| | |
|-------------------------------------------------------------------------|-----------------------------------------------------|
| Flammability rating according to UL 94 | V0 |
| Area of application | Railway industry |
| | Mechanical engineering |
| | Plant engineering |
| | Process industry |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Connection in acc. with standard | IEC 60947-7-2 |
| Maximum load current | 41 A (with 6 mm ² conductor connection) |
| Open side panel | Yes |
| 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 Hz to f ₂ = 150 Hz |
| ASD level | 0.02 g ² /Hz |
| Acceleration | 0.8g |
| 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)) | 120 °C |

Dimensions

| | |
|------------------|---------|
| Width | 16.3 mm |
| End cover width | 2.2 mm |
| Length | 66 mm |
| Height NS 35/7,5 | 51 mm |
| Height NS 35/15 | 58.5 mm |

Connection data

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Technical data

Connection data

| | |
|---------------------------------------------|----------------------------------------------------------------|
| Note | Please observe the current carrying capacity of the DIN rails. |
| Connection method | Bolt connection |
| Connection in acc. with standard | IEC 60947-7-2 |
| Conductor cross section solid min. | 0.1 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 10 |
| Conductor cross section flexible min. | 0.1 mm ² |
| Conductor cross section flexible max. | 6 mm ² |
| Min. AWG conductor cross section, flexible | 26 |
| Max. AWG conductor cross section, flexible | 10 |
| Cable lug connection according to standard | DIN 46 234 |
| Min. cross section for cable lug connection | 0.5 mm ² |
| Max. cross section for cable lug connection | 6 mm ² |
| Augendurchmesser min | 5.3 mm |
| Kabelschuhbreite max. | 10 mm |
| Bolt diameter | 5 mm |
| Cable lug connection according to standard | DIN 46237 |
| Min. cross section for cable lug connection | 1 mm ² |
| Max. cross section for cable lug connection | 6 mm ² |
| Augendurchmesser min | 5.3 mm |
| Kabelschuhbreite max. | 10 mm |
| Bolt diameter | 5 mm |
| Screw thread | M5 |
| Tightening torque, min | 2.5 Nm |
| Tightening torque max | 3 Nm |

Standards and Regulations

| | |
|----------------------------------------|---------------|
| Connection in acc. with standard | CUL |
| | IEC 60947-7-2 |
| | DIN 46 234 |
| | DIN 46237 |
| Flammability rating according to UL 94 | V0 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141120 |
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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.1 | 27141120 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141141 |
| eCl@ss 9.0 | 27141141 |

ETIM

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|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000901 |
| ETIM 5.0 | EC000901 |

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

Approvals

Approvals

Approvals

UL Recognized / VDE Zeichengenehmigung / cUL Recognized / ABS / IECEx CB Scheme / EAC / EAC / cULus Recognized

Ex Approvals

ATEX / IECEx / EAC Ex

Approvals submitted

Approval details

Bolt connection terminal block - RT 5-PE - 3049424

Approvals

UL Recognized

VDE Zeichengenehmigung

| | |
|----------------------------|----------|
| mm ² /AWG/kcmil | 0.14-6.0 |
|----------------------------|----------|

cUL Recognized

ABS

IECEE CB Scheme

EAC

EAC

cULus Recognized

Drawings

Circuit diagram

