# Bolt connection terminal block - RT 5 BU - 3049123

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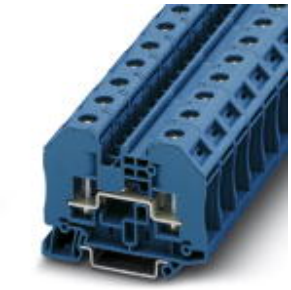

Feed-through terminal block with bolt connection technology, cross section: 0.1 - 6 mm², AWG: 26 - 10, width: 16.3 mm, color: gray

## Product Features

- The special clamping nuts can be actuated with a normal screwdriver
- Quick and easy connection thanks to hinged cover flaps which hold the clamping nuts captive. When the flaps are open, the connection bolt is freely accessible and the cable lugs can be hooked in; after closing and engaging the flaps
- The screws are secured against loosening by captive spring-loaded spacers
- Easy bridging and potential distribution using the patented plug-in bridges from the CLIPLINE complete system
- Large-surface labeling options in the terminal center and above the terminal points
- Testing with the standardized test adapters and test plugs of the CLIPLINE complete system
- The hinged cover cover the live metal parts including the insulated cable lugs in the clamping area so that they are touch proof
- The use of the switching lock effectively prevents unintentional switching
- Tested for railway applications

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 39.98 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## 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 |

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## Technical data

### General

| | |
|---|---|
| Number of connections | 2 |
| Nominal cross section | 6 mm² |
| Color | blue |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| Area of application | Railway industry |
| | Mechanical engineering |
| | Plant engineering |
| | Process industry |
| Maximum load current | 41 A (with 6 mm² conductor cross section) |
| Rated surge voltage | 6 kV |
| Pollution degree | 3 |
| Surge voltage category | III |
| Insulating material group | I |
| Connection in acc. with standard | IEC 60947-7-1 |
| Maximum load current | 41 A (with 6 mm² conductor cross section) |
| Nominal current $I_N$ | 41 A |
| Nominal voltage $U_N$ | 1000 V (Rated voltage for open disconnect point 500 V) |
| Open side panel | ja |

### Dimensions

| | |
|---|---|
| Width | 16.3 mm |
| End cover width | 2.2 mm |
| Length | 66 mm |
| Height | 50.40 mm |
| Height NS 35/7,5 | 51 mm |
| Height NS 35/15 | 58.5 mm |

### Connection data

| | |
|---|---|
| Note | Connection bolts |
| Connection method | Bolt connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.1 mm² |
| Conductor cross section solid max. | 6 mm² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 10 |
| Conductor cross section flexible min. | 0.1 mm² |
| Conductor cross section flexible max. | 6 mm² |

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## Technical data

### Connection data

| | |
|---|---|
| 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 mm² |
| Max. cross section for cable lug connection | 6 mm² |
| Hole diameter | 5.3 mm |
| Width | 10 mm |
| Bolt diameter | 5 mm |
| Cable lug connection according to standard | DIN 46237 |
| Min. cross section for cable lug connection | 1 mm² |
| Max. cross section for cable lug connection | 6 mm² |
| Hole diameter | 5.3 mm |
| Width | 10 mm |
| Bolt diameter | 5 mm |
| Screw thread | M5 |
| Tightening torque, min | 2.5 Nm |
| Tightening torque max | 3 Nm |

## Classifications

### eCl@ss

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

### ETIM

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

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |

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## Classifications

### UNSPSC

| | |
|---|---|
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

## Approvals

### Approvals

Approvals

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

Ex Approvals

ATEX / IECEx / EAC Ex

Approvals submitted

### Approval details

UL Recognized

| | B | C |
|---|---|---|
| Nominal current IN | 30 A | 30 A |
| Nominal voltage UN | 600 V | 600 V |

cUL Recognized

| | B | C |
|---|---|---|
| Nominal current IN | 30 A | 30 A |
| Nominal voltage UN | 600 V | 600 V |

ABS

EAC

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## Approvals

VDE Zeichengenehmigung

| | |
|---|---|
| mm²/AWG/kcmil | 0.14-6 |
| Nominal current IN | 41 A |
| Nominal voltage UN | 1000 V |

EAC

IECEE CB Scheme

cULus Recognized

## Drawings

Circuit diagram