# QTTCBU 1,5-PE - Protective conductor double-level terminal block

3050277

https://www.phoenixcontact.com/us/products/3050277

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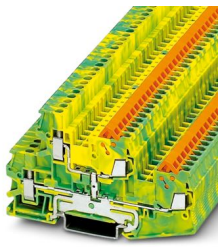


Protective conductor double-level terminal block, connection method: Quick connection, cross section: 0.25 mm$^2$ - 1.5 mm$^2$, connection method: Screw connection, cross section: 0.14 mm$^2$ - 4 mm$^2$, mounting: NS 35/7,5, NS 35/15, color: green-yellow

## Your advantages

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947-7-2 are met

## Commercial data

| | |
|---|---|
| Item number | 3050277 |
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Note | Made to order (non-returnable) |
| Sales key | BE03 |
| Product key | BE3129 |
| Catalog page | Page 260 (C-1-2019) |
| GTIN | 4046356056113 |
| Weight per piece (including packing) | 22.24 g |
| Weight per piece (excluding packing) | 22.24 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Ground terminal block |
| Number of connections | 4 |
| Number of rows | 2 |

Data management status

| | |
|---|---|
| Article revision | 13 |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Degree of pollution | 3 |

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 0.56 W |

### Connection data

| | |
|---|---|
| Grounding foot | Yes |
| Number of connections per level | 2 |
| Frequency of connections with the same cross section | 100 |
| Nominal cross section | 1.5 mm² |

Level 1+2 above 1

| | |
|---|---|
| Note | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque | 0.5 ... 0.6 Nm |
| Stripping length | 9 mm |
| Material wire insulation | PVC / PE |
| Internal cylindrical gage | A3 / B2 |
| Connection in acc. with standard | IEC 60947-7-2 |
| Conductor cross section rigid | 0.25 mm² ... 1.5 mm² |
| Cross section AWG | 24 ... 16 (converted acc. to IEC) |
| Conductor cross section flexible | 0.25 mm² ... 1.5 mm² |
| Conductor cross section, flexible [AWG] | 24 ... 16 (converted acc. to IEC) |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.25 mm² ... 1.5 mm² |
| Cross section, sensor conductors | 0.25 mm² ... 0.34 mm² |

Level 1+2 below 1

| | |
|---|---|
| Screw thread | M3 |
| Internal cylindrical gage | A3 / B2 |
| Connection in acc. with standard | IEC 60947-7-2 |
| Conductor cross section rigid | 0.14 mm² ... 4 mm² |
| Cross section AWG | 26 ... 12 (converted acc. to IEC) |

| | |
|---|---|
| Conductor cross section flexible | 0.14 mm² ... 2.5 mm² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm² ... 2.5 mm² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.14 mm² ... 2.5 mm² |

## Dimensions

| | |
|---|---|
| Width | 5.2 mm |
| End cover width | 2.2 mm |

## Material specifications

| | |
|---|---|
| Color | green-yellow |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |
| Static insulating material application in cold | -60 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| 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 |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| 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 |

## Cable/line

| | |
|---|---|
| Wire diameter incl. insulation | 3 mm |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Open side panel | Yes |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -60 °C ... 105 °C (max. short-term operating temperature RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

## Standards and regulations

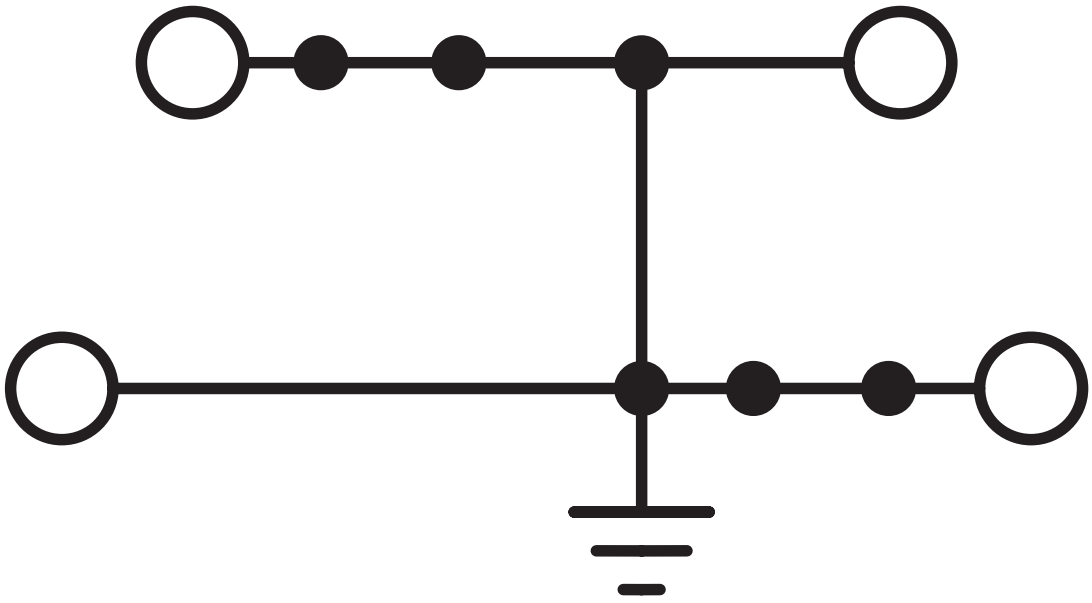
| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-2 |
| | IEC 60947-7-2 |

## Mounting

| | |
|---|---|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |

## Drawings

Circuit diagram



## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27141141 |

### ETIM

| | |
|---|---|
| ETIM 8.0 | EC000901 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

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|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 72117bf5-9f45-405c-9294-e57ca3915875 |




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