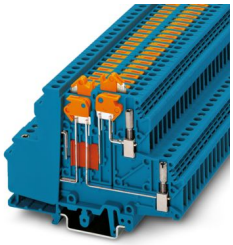
# UDMTK 5-P/P BU - Knife-disconnect terminal block

3101113

https://www.phoenixcontact.com/us/products/3101113

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Knife-disconnect terminal block, With test socket screws for insertion of test plugs, nom. voltage: 400 V, nominal current: 10 A, 1st and 2nd level, connection method: Screw connection, Rated cross section: 4 $mm^2$, cross section: 0.2 $mm^2$ - 4 $mm^2$, 2nd level, connection method: Screw connection, Rated cross section: 4 $mm^2$, cross section: 0.2 $mm^2$ - 4 $mm^2$, mounting: NS 35/7,5, NS 35/15, NS 32, color: blue

## Your advantages

- Space-saving design just 6.2 mm wide
- Closed housing of double-level terminal blocks
- User-friendly disconnect knife operation

## Commercial data

| | |
|---|---|
| Item number | 3101113 |
| Packing unit | 50 pc |
| Minimum order quantity | 1 pc |
| Sales key | BE12 |
| Product key | BE1231 |
| GTIN | 4017918092610 |
| Weight per piece (including packing) | 31.36 g |
| Weight per piece (excluding packing) | 31.36 g |
| Customs tariff number | 85369010 |
| Country of origin | TR |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Disconnect terminal block |
| Number of connections | 4 |
| Number of rows | 2 |
| Potentials | 1 |

Insulation characteristics

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

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 4 kV |
| Maximum power dissipation for nominal condition | 1.02 W |

### Connection data

| | |
|---|---|
| Number of connections per level | 2 |
| Nominal cross section | 4 mm² |

1st and 2nd level

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.6 ... 0.8 Nm |
| Stripping length | 8 mm |
| Internal cylindrical gage | A4 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm² ... 4 mm² |
| Conductor cross-section, flexible [AWG] | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm² ... 4 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm² ... 2.5 mm² |
| 2 conductors with same cross section, rigid | 0.2 mm² ... 1.5 mm² |
| 2 conductors with same cross section, flexible | 0.2 mm² ... 1.5 mm² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm² ... 1.5 mm² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm² ... 2.5 mm² |
| Nominal cross section | 4 mm² |
| Nominal current | 10 A |
| Maximum load current | 10 A (with 4 mm² conductor cross-section) |
| Nominal voltage | 400 V |

2nd level

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm² ... 4 mm² |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm² ... 4 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm² ... 2.5 mm² |
| 2 conductors with same cross section, rigid | 0.2 mm² ... 1.5 mm² |
| 2 conductors with same cross section, flexible | 0.2 mm² ... 1.5 mm² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm² ... 1.5 mm² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm² ... 2.5 mm² |
| Nominal cross section | 4 mm² |
| Nominal current | 8 A (with 4 mm² conductor cross-section) |
| Maximum load current | 10 A (in case of a 4 mm² conductor cross-section, the maximum load current must not be exceeded by the total current of all connected conductors.) |
| Nominal voltage | 400 V |

## Dimensions

| | |
|---|---|
| Width | 6.2 mm |
| Height | 93 mm |
| Depth on NS 32 | 73.5 mm |
| Depth on NS 35/7,5 | 68.5 mm |
| Depth on NS 35/15 | 76 mm |

## Material specifications

| | |
|---|---|
| Color | blue (RAL 5015) |
| Flammability rating according to UL 94 | V2 |
| Insulating material group | I |
| Insulating material | PA |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Open side panel | No |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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 (operation) | 20 % ... 90 % |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

## Standards and regulations

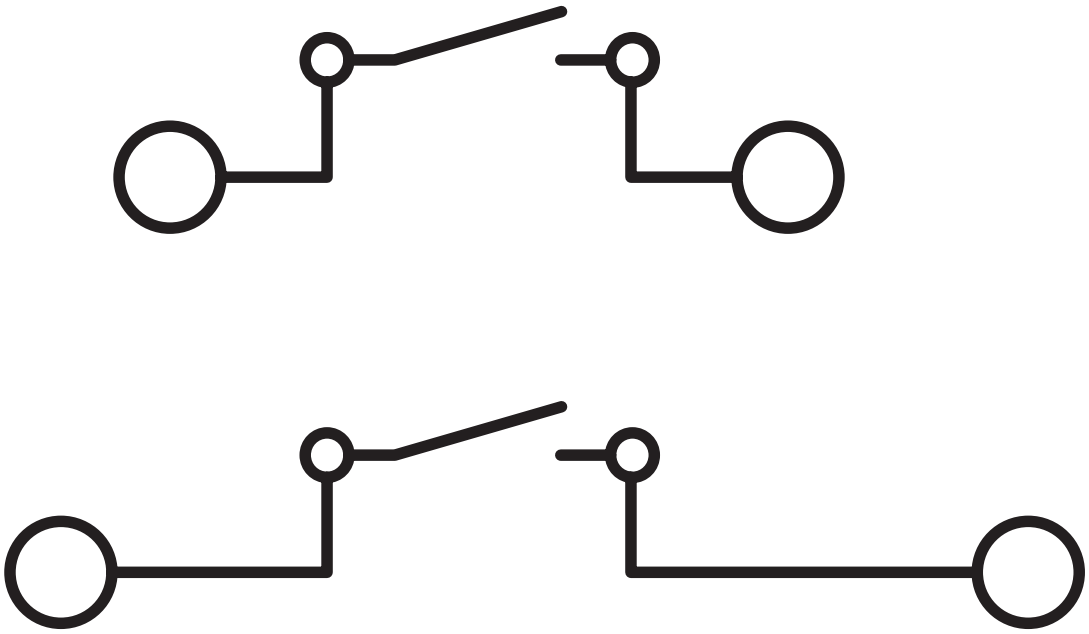
| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-1 |
| | IEC 60947-7-1 |

## Mounting

| | |
|---|---|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |
| | NS 32 |

## Drawings

Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3101113

**CSA**
Approval ID: 13631

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 300 V | 15 A | 28 - 12 | - |

**cULus Recognized**
Approval ID: E60425

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| B | | | | |
| | 300 V | 8 A | 26 - 12 | - |
| D | | | | |
| | 300 V | 10 A | 26 - 12 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-15.0 | 27250108 |
| ECLASS-13.0 | 27250108 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC000902 |

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| 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 | 115a34b0-a32b-4a06-bd00-67ca42c91a90 |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.191 kg CO2e |


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