# USLKG 3 - Protective conductor terminal block

0441083

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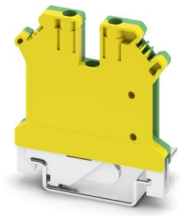


Protective conductor terminal block, When aligning with a feed-through terminal block with the same shape, an end cover must be interposed with insulation voltages of > 690 V, number of connections: 2, number of positions: 1, connection method: Screw connection, cross section: 0.2 $mm^2$ - 4 $mm^2$, mounting method: PE foot with mounting screw, M2.5, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

## Commercial data

| | |
|---|---|
| Item number | 0441083 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE1221 |
| Product key | BE1221 |
| GTIN | 4017918002169 |
| Weight per piece (including packing) | 17.642 g |
| Weight per piece (excluding packing) | 17.15 g |
| Customs tariff number | 85369010 |
| Country of origin | TR |

## Technical data

### Notes

| | |
|---|---|
| General | When aligning with a feed-through terminal block with the same shape, an end cover must be interposed with insulation voltages of > 690 V |

### Product properties

| | |
|---|---|
| Product type | Ground terminal block |
| Product family | USLKG |
| Number of positions | 1 |
| Number of connections | 2 |
| Number of rows | 1 |

Insulation characteristics

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

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 0.77 W |

### Connection data

| | |
|---|---|
| Grounding foot | Yes |
| Number of connections per level | 2 |
| Nominal cross section | 2.5 mm² |

Level 1 above 1 below 1

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Note | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque | 0.6 ... 0.8 Nm |
| Stripping length | 8 mm |
| Connection in acc. with standard | IEC 60947-7-2 |
| 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 ... 2.5 mm² |
| Conductor cross-section, flexible [AWG] | 24 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm² ... 2.5 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.25 mm² ... 1.5 mm² |

### Dimensions

| | |
|---|---|
| Width | 5.2 mm |
| Height | 42.5 mm |
| Depth on NS 32 | 52 mm |

| | |
|---|---|
| Depth on NS 35/7,5 | 47 mm |
| Depth on NS 35/15 | 54.5 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 |

## Mechanical properties

### General

| | |
|---|---|
| Terminal block mounting | 0.5 Nm ... 0.6 Nm (PE foot with mounting screw, M2.5) |

### 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 60947-7-2 |

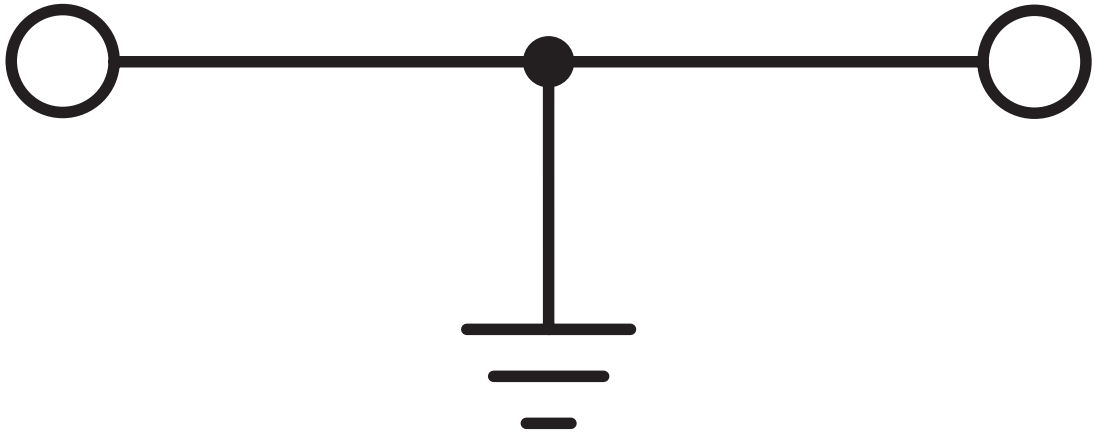
## Mounting

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

| | |
|---|---|
| | NS 32 |
| Terminal block mounting | 0.5 Nm ... 0.6 Nm (PE foot with mounting screw, M2.5) |

## Drawings

Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/0441083

**CSA**
Approval ID: 13631

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | - | - | 22 - 12 | - |

**IECEE CB Scheme**
Approval ID: NL-39728

**KEMA-KEUR**
Approval ID: 71-130411

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | - | - | - | - 2.5 |

**cULus Recognized**
Approval ID: E60425

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| B | | | | |
| | - | - | 24 - 12 | - |
| C | | | | |
| | - | - | 24 - 12 | - |

**DNV**
Approval ID: TAE00001CT

**cUL Recognized**
Approval ID: E192998

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

**UL Recognized**
Approval ID: E192998

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |

| | | | | |
|---|---|---|---|---|
| | - | - | 28 - 12 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27250103 |
| ECLASS-15.0 | 27250103 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC000901 |

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.067 kg CO2e |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