# UKK 5-PE - Ground terminal

2774211

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Ground terminal, number of connections: 4, connection method: Screw connection, 1st and 2nd level, cross section: 0.2 $mm^2$ - 4 $mm^2$, mounting: PE foot with mounting screw, M3, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

## Your advantages

- Same shape and pitch as the feed-through terminal blocks
- Universal protective conductor foot for mounting on NS 35... or NS 32... DIN rails (with the exception of NS 35/15-2,3)
- The offset levels offer unobstructed access to the lower connection level even when fully wired

## Technical data

### Product properties

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

Insulation characteristics

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

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 1.02 W |

### Connection data

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

1st and 2nd level

| | |
|---|---|
| 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 ... 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 |

### Dimensions

| | |
|---|---|
| Width | 6.2 mm |
| Height | 56 mm |
| Depth on NS 32 | 67 mm |
| Depth on NS 35/7,5 | 62 mm |
| Depth on NS 35/15 | 69.5 mm |

### Material specifications

| | |
|---|---|
| Color | green-yellow |
| Flammability rating according to UL 94 | V2 |
| 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 | 0.6 Nm ... 0.8 Nm (PE foot with mounting screw, M3) |

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 | 0.6 Nm ... 0.8 Nm (PE foot with mounting screw, M3) |

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