

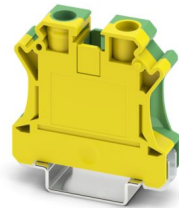
# UTI 16-PE - Installation protective conductor terminal block



3073830

<https://www.phoenixcontact.com/us/products/3073830>

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Installation protective conductor terminal block, number of connections: 2, number of positions: 1, connection method: Screw connection, 1st level connection right, Rated cross section: 16 mm<sup>2</sup>, cross section: 6 mm<sup>2</sup> - 25 mm<sup>2</sup>, mounting method: PE foot with mounting screw, M4, mounting type: NS 35/7,5, NS 35/15, color: green-yellow

## Your advantages

- The asymmetrical arrangement of the terminal blocks on the DIN rail enables the neutral busbar to be routed past the terminal blocks
- The installation terminal block features a particularly low-profile design and is suitable for wiring in flat installation distributors

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3073830       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE01          |
| Product key                          | BE1151        |
| GTIN                                 | 4046356347259 |
| Weight per piece (including packing) | 49.28 g       |
| Weight per piece (excluding packing) | 47.82 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | CN            |

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## Technical data

### Product properties

|                       |                       |
|-----------------------|-----------------------|
| Product type          | Ground terminal block |
| 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                             | 6 kV   |
| Maximum power dissipation for nominal condition | 2.43 W |

### Connection data

|                                 |                    |
|---------------------------------|--------------------|
| Grounding foot                  | Yes                |
| Number of connections per level | 2                  |
| Nominal cross section           | 16 mm <sup>2</sup> |

### 1st level connection right

|   |  |
|---|--|
| Connection method   | Screw connection   |
| Screw thread  | M5   |
| Note  | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque   | 2.5 ... 3 Nm   |
| Stripping length  | 12 mm  |
| Connection in acc. with standard                                  | IEC 60947-7-2  |
| Conductor cross-section rigid                                     | 6 mm <sup>2</sup> ... 25 mm <sup>2</sup>                       |
| Cross section AWG   | 8 ... 4 (converted acc. to IEC)                                |
| Conductor cross-section flexible                                  | 6 mm <sup>2</sup> ... 16 mm <sup>2</sup>                       |
| Conductor cross-section, flexible [AWG]                           | 8 ... 6 (converted acc. to IEC)                                |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 6 mm <sup>2</sup> ... 16 mm <sup>2</sup>                       |
| Flexible conductor cross-section (ferrule with plastic sleeve)    | 6 mm <sup>2</sup> ... 16 mm <sup>2</sup>                       |
| Nominal cross section   | 16 mm <sup>2</sup>   |

### Dimensions

|                    |         |
|--------------------|---------|
| Width              | 12.2 mm |
| Height             | 51 mm   |
| Depth              | 49.9 mm |
| Depth on NS 35/7,5 | 50.5 mm |
| Depth on NS 35/15  | 58 mm   |

### Material specifications

|       |              |
|-------|--------------|
| Color | green-yellow |
|-------|--------------|

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|  |        |
|--|--------|
| Flammability rating according to UL 94                           | V2     |
| Insulating material group  | I      |
| Insulating material  | PA     |
| Static insulating material application in cold                   | -40 °C |
| Relative insulation material temperature index (Elec., UL 746 B) | 125 °C |

## Mechanical properties

### General

|                         |   |
|-------------------------|---|
| Terminal block mounting | 1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4) |
|-------------------------|---|

### Mechanical data

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

## Environmental and real-life conditions

### Oscillation/broadband noise

|                        |  |
|------------------------|--|
| Specification          | DIN EN 50155 (VDE 0115-200):2022-06            |
| Spectrum               | Long life test category 2, bogie-mounted       |
| Frequency              | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level              | 6.12 (m/s <sup>2</sup> )/Hz                    |
| Acceleration           | 3.12g  |
| Test duration per axis | 5 h  |
| Test directions        | X-, Y- and Z-axis                              |
| Result                 | Test passed                                    |

### Shocks

|                                |                                     |
|--------------------------------|-------------------------------------|
| Specification                  | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape                    | Half-sine                           |
| Acceleration                   | 5g                                  |
| Shock duration                 | 30 ms                               |
| Number of shocks per direction | 3                                   |
| Test directions                | X-, Y- and Z-axis (pos. and neg.)   |
| Result                         | Test passed                         |

### 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 |
|----------------------------------|---------------|

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## Mounting

|                         |   |
|-------------------------|---|
| Mounting type           | NS 35/7,5   |
|                         | NS 35/15  |
| Terminal block mounting | 1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4) |

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## Drawings

Circuit diagram



# UTI 16-PE - Installation protective conductor terminal block



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## Approvals

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**EAC**

Approval ID: KZ7500651131219505

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## 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 | 0.671 kg CO2e |
|---------|---------------|

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