

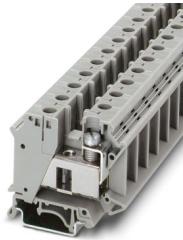
# UTI 35 - Installation terminal block



3074088

<https://www.phoenixcontact.com/us/products/3074088>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Installation terminal block, nom. voltage: 800 V, nominal current: 125 A, Screw connection, Rated cross section: 35 mm<sup>2</sup>, cross section: 0.75 mm<sup>2</sup> - 35 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## Your advantages

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

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3074088       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE01          |
| Product key                          | BE1151        |
| GTIN                                 | 4046356347266 |
| Weight per piece (including packing) | 46.103 g      |
| Weight per piece (excluding packing) | 44.26 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | CN            |

# UTI 35 - Installation terminal block



3074088

<https://www.phoenixcontact.com/us/products/3074088>

## Technical data

### Product properties

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

### Insulation characteristics

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

### Electrical properties

|   |        |
|---|--------|
| Rated surge voltage                             | 8 kV   |
| Maximum power dissipation for nominal condition | 4.06 W |

### Connection data

|                                 |                    |
|---------------------------------|--------------------|
| Number of connections per level | 2                  |
| Nominal cross section           | 35 mm <sup>2</sup> |

### Level 1 above 1 below 1

|   |   |
|---|---|
| Connection method   | Screw connection  |
| Screw thread  | M6  |
| Tightening torque   | 3.2 ... 3.7 Nm  |
| Stripping length  | 16 mm   |
| Connection in acc. with standard  | IEC 60947-7-1   |
| Conductor cross-section rigid   | 0.75 mm <sup>2</sup> ... 35 mm <sup>2</sup>             |
| Cross section AWG   | 18 ... 2 (converted acc. to IEC)                        |
| Conductor cross-section flexible  | 0.75 mm <sup>2</sup> ... 35 mm <sup>2</sup>             |
| Conductor cross-section, flexible [AWG]   | 18 ... 2 (converted acc. to IEC)                        |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.75 mm <sup>2</sup> ... 35 mm <sup>2</sup>             |
| Flexible conductor cross-section (ferrule with plastic sleeve)                            | 0.75 mm <sup>2</sup> ... 35 mm <sup>2</sup>             |
| Cross-section with insertion bridge, rigid  | 35 mm <sup>2</sup>                                      |
| Cross-section with insertion bridge, flexible   | 35 mm <sup>2</sup>                                      |
| 2 conductors with same cross section, rigid   | 0.75 mm <sup>2</sup> ... 10 mm <sup>2</sup>             |
| 2 conductors with same cross section, flexible  | 0.75 mm <sup>2</sup> ... 10 mm <sup>2</sup>             |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.75 mm <sup>2</sup> ... 10 mm <sup>2</sup>             |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.75 mm <sup>2</sup> ... 6 mm <sup>2</sup>              |
| Nominal cross section   | 35 mm <sup>2</sup>                                      |
| Nominal current   | 125 A   |
| Maximum load current  | 125 A (with 35 mm <sup>2</sup> conductor cross-section) |
| Nominal voltage   | 800 V   |

# UTI 35 - Installation terminal block



3074088

<https://www.phoenixcontact.com/us/products/3074088>

## Dimensions

|                    |         |
|--------------------|---------|
| Width              | 15.2 mm |
| Height             | 55 mm   |
| Depth on NS 32     | 56 mm   |
| Depth on NS 35/7,5 | 51 mm   |

## Material specifications

|   |                 |
|---|-----------------|
| Color   | gray (RAL 7042) |
| Flammability rating according to UL 94                                  | V2              |
| Insulating material group   | I               |
| Insulating material   | PA              |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 115 °C          |
| Relative insulation material temperature index (Elec., UL 746 B)        | 125 °C          |

## Electrical tests

### Surge voltage test

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 9.8 kV      |
| Result                | Test passed |

### Temperature-rise test

|   |                                     |
|---|-------------------------------------|
| Requirement temperature-rise test               | Increase in temperature $\leq$ 45 K |
| Result  | Test passed                         |
| Short-time withstand current 35 mm <sup>2</sup> | 4.2 kA                              |
| Result  | Test passed                         |

### Power-frequency withstand voltage

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 3.5 kV      |
| Result                | Test passed |

## Mechanical properties

### Mechanical data

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

## Mechanical tests

### Mechanical strength

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

### Attachment on the carrier

|                         |             |
|-------------------------|-------------|
| DIN rail/fixing support | NS 32/NS 35 |
| Test force setpoint     | 10 N        |
| Result                  | Test passed |

### Test for conductor damage and slackening

# UTI 35 - Installation terminal block



3074088

<https://www.phoenixcontact.com/us/products/3074088>

|                                |                               |
|--------------------------------|-------------------------------|
| Rotation speed                 | 10 rpm                        |
| Revolutions                    | 135                           |
| Conductor cross-section/weight | 0.75 mm <sup>2</sup> / 0.4 kg |
|                                | 35 mm <sup>2</sup> / 6.8 kg   |
| Result                         | Test passed                   |

## Environmental and real-life conditions

### Needle-flame test

|                  |             |
|------------------|-------------|
| Time of exposure | 30 s        |
| 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  |
| Permissible humidity (operation)         | 20 % ... 90 %  |
| Permissible humidity (storage/transport) | 30 % ... 70 %  |

## Standards and regulations

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

## Mounting

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

# UTI 35 - Installation terminal block

3074088

<https://www.phoenixcontact.com/us/products/3074088>

## Drawings

### Circuit diagram



- 1 = Cover
- 2 = Fixed bridge
- 3 = Insertion bridge
- 4 = Bridge bar for 2 terminal blocks
- 5 = Insulation plate
- 6 = Partition plate
- 7 = Test socket, for test pick-off with PS test plug
- 8 = Test socket, insulated, can only be used with FBI



# UTI 35 - Installation terminal block



3074088

<https://www.phoenixcontact.com/us/products/3074088>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3074088>



**EAC**

Approval ID: KZ7500651131219505

# UTI 35 - Installation terminal block



3074088

<https://www.phoenixcontact.com/us/products/3074088>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250110 |
| ECLASS-15.0 | 27250110 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001329 |
|-----------|----------|

### UNSPSC

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

# UTI 35 - Installation terminal block



3074088

<https://www.phoenixcontact.com/us/products/3074088>

## 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 | 0.449 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)