

# UT 4-MTD-BE - Component terminal block



3046237

<https://www.phoenixcontact.com/us/products/3046237>

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Component terminal block, for installing components that can be individually selected, nom. voltage: 800 V, nominal current: 0.5 A, number of connections: 2, connection method: Screw connection, Rated cross section: 1 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## Your advantages

- The consistent labeling and bridging of terminal blocks is an advantage

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3046237       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE01          |
| Product key                          | BE1171        |
| GTIN                                 | 4046356624640 |
| Weight per piece (including packing) | 11.234 g      |
| Weight per piece (excluding packing) | 11.234 g      |
| Customs tariff number                | 85369010      |
| Country of origin                    | PL            |

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## Technical data

### Product properties

|                       |                          |
|-----------------------|--------------------------|
| Product type          | Component 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 | 1.02 W |

### Connection data

|   |  |
|---|--|
| Number of connections per level   | 2  |
| Nominal cross section   | 4 mm <sup>2</sup>                            |
| Screw thread  | M3   |
| Tightening torque   | 0.6 ... 0.8 Nm                               |
| Stripping length  | 9 mm   |
| Internal cylindrical gage   | A4   |
| Connection in acc. with standard  | IEC 60947-7-1                                |
| Conductor cross section rigid   | 0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>   |
| Cross section AWG   | 26 ... 10 (converted acc. to IEC)            |
| Conductor cross section flexible  | 0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>   |
| Conductor cross section, flexible [AWG]   | 26 ... 10 (converted acc. to IEC)            |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid   | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| 2 conductors with same cross section, flexible  | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>  |
| Nominal current   | 0.5 A  |
| Maximum load current  | 0.5 A  |
| Nominal voltage   | 800 V  |
| Nominal cross section   | 1 mm <sup>2</sup>                            |

### Dimensions

|                 |         |
|-----------------|---------|
| Width           | 6.2 mm  |
| End cover width | 2.2 mm  |
| Height          | 57.8 mm |

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|                    |         |
|--------------------|---------|
| Depth on NS 35/7,5 | 47.5 mm |
| Depth on NS 35/15  | 55 mm   |

## Material specifications

|   |             |
|---|-------------|
| Color   | gray        |
| 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)) | 125 °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)                        | 27,5 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

### Mechanical data

|                 |     |
|-----------------|-----|
| Open side panel | Yes |
|-----------------|-----|

## 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, no longer than 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 |
|----------------------------------|---------------|

## Mounting

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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141127 |
| ECLASS-12.0 | 27141127 |
| ECLASS-13.0 | 27250114 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000903 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1   |
| China RoHS | Environmentally Friendly Use Period = 50 years   |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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