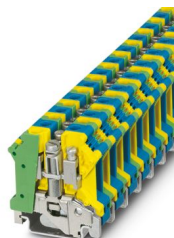


# UK 6 N-PE/N - Installation protective conductor terminal block

3024753

<https://www.phoenixcontact.com/us/products/3024753>

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Installation protective conductor terminal block, PE/N block, consisting of a green-yellow protective conductor terminal block and a blue terminal block with screw bridge, nom. voltage: 400 V, nominal current: 57 A, number of connections: 2, connection method: Screw connection, cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow-blue

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3024753       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BE12          |
| Product key                          | BE1221        |
| GTIN                                 | 4017918130251 |
| Weight per piece (including packing) | 47.14 g       |
| Weight per piece (excluding packing) | 43.34 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | PL            |

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## Technical data

### Product properties

|                       |                       |
|-----------------------|-----------------------|
| Product type          | Ground terminal block |
| 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 | 0 W  |

### Connection data

|                                 |     |
|---------------------------------|-----|
| PEN function                    | yes |
| Grounding foot                  | Yes |
| Number of connections per level | 2   |

### Level 1 above 1 below 1

|   |  |
|---|--|
| Connection method   | Screw connection   |
| Screw thread  | M4   |
| Note  | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque   | 1.5 ... 1.8 Nm   |
| Stripping length  | 10 mm  |
| Connection in acc. with standard                                  | IEC / EN   |
| Conductor cross-section rigid                                     | 0.2 mm <sup>2</sup> ... 10 mm <sup>2</sup>                     |
| Cross section AWG   | 24 ... 8 (converted acc. to IEC)                               |
| Conductor cross-section flexible                                  | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>                      |
| Conductor cross-section, flexible [AWG]                           | 24 ... 10 (converted acc. to IEC)                              |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm <sup>2</sup> ... 6 mm <sup>2</sup>                     |
| Flexible conductor cross-section (ferrule with plastic sleeve)    | 0.25 mm <sup>2</sup> ... 6 mm <sup>2</sup>                     |
| Cross-section with insertion bridge, rigid                        | 4 mm <sup>2</sup>  |
| Cross-section with insertion bridge, flexible                     | 4 mm <sup>2</sup>  |
| Nominal current   | 57 A   |
| Maximum load current  | 57 A (with 10 mm <sup>2</sup> conductor cross-section)         |
| Nominal voltage   | 400 V  |

### Dimensions

|                    |         |
|--------------------|---------|
| Width              | 16.4 mm |
| Height             | 42.5 mm |
| Depth on NS 32     | 52 mm   |
| Depth on NS 35/7,5 | 47 mm   |

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|                   |         |
|-------------------|---------|
| Depth on NS 35/15 | 54.5 mm |
|-------------------|---------|

## Material specifications

|   |   |
|---|---|
| Color   | multicolored (RAL -)<br>green-yellow<br>blue (RAL 5015) |
| 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 | 1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4) |
|-------------------------|---|

### 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 / EN |
|----------------------------------|----------|

## Mounting

|  |           |
|--|-----------|
|  | NS 35/7,5 |
|--|-----------|

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|                         |   |
|-------------------------|---|
| Mounting type           | NS 35/15  |
|                         | NS 32   |
| Terminal block mounting | 1.5 Nm ... 1.8 Nm (PE foot with mounting screw, M4) |

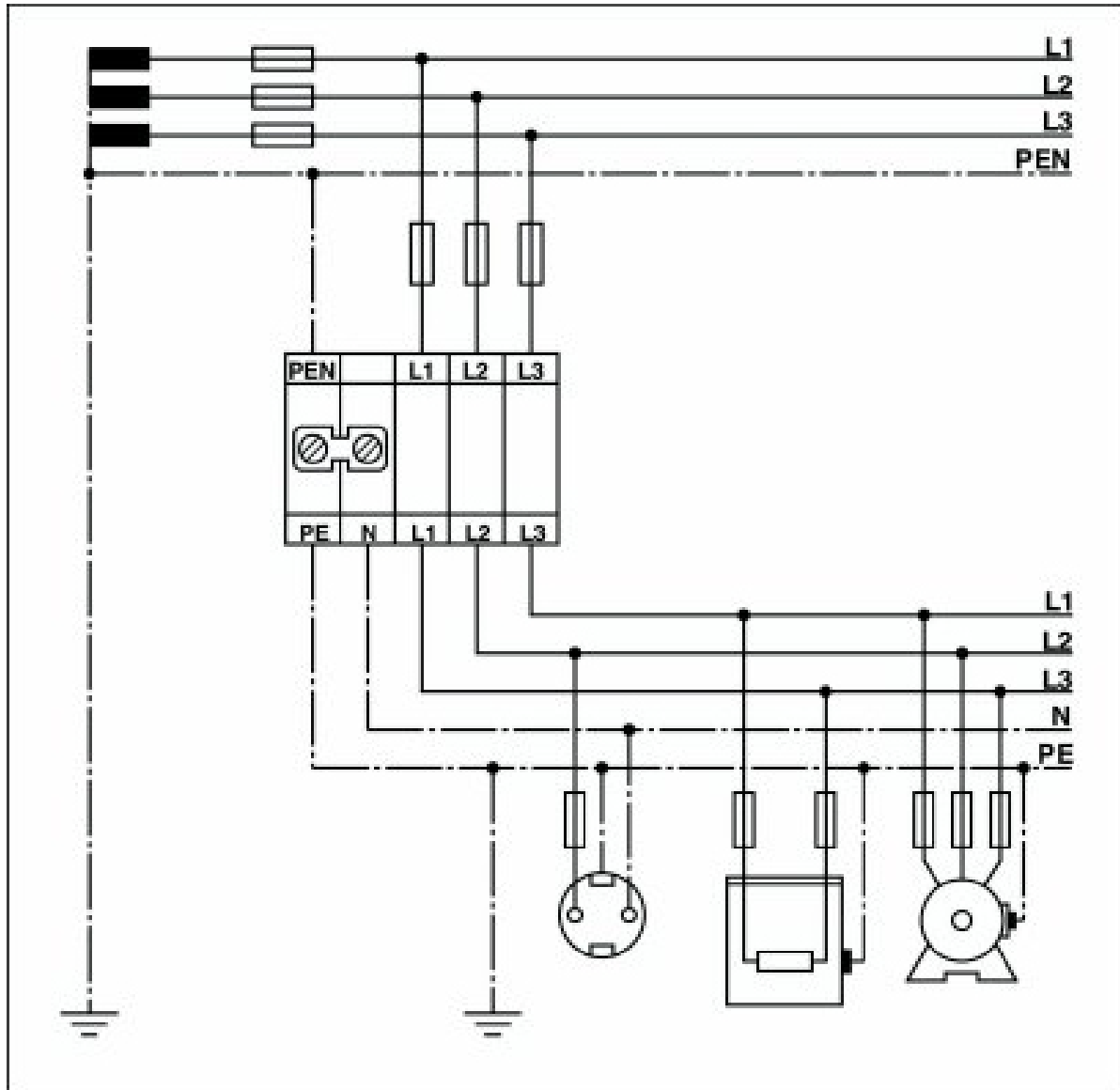
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## Drawings

Connection diagram

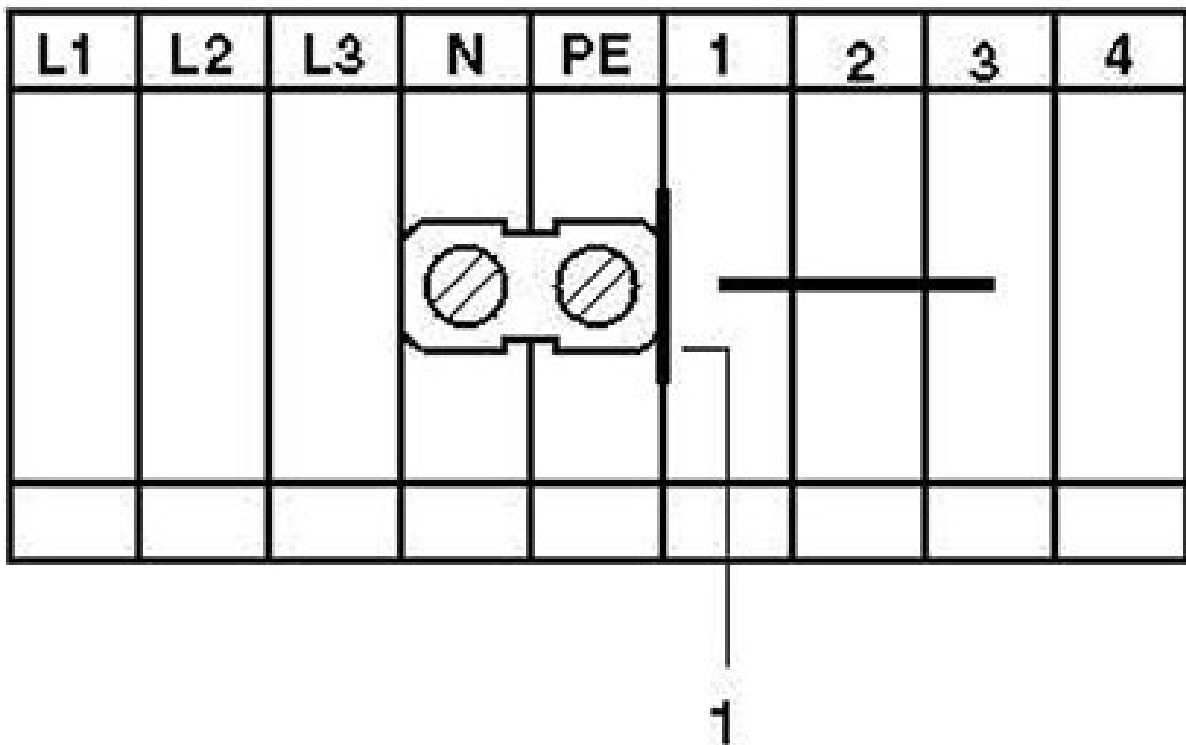


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Circuit diagram



1 = separating plate

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## Classifications

### ECLASS

ECLASS-13.0

27250103

### ETIM

ETIM 9.0

EC000901

### UNSPSC

UNSPSC 21.0

39121400

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                      |
|-------------------------------------|----------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
|-------------------------------------|----------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 1.487 kg CO2e |
|---------|---------------|

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