

# PIK 6-PE/L/L - Installation protective conductor terminal block



2714271

<https://www.phoenixcontact.com/us/products/2714271>

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Installation protective conductor terminal block, nom. voltage: 400 V, nominal current: 41 A, Screw connection, 1st, 2nd and 3rd level, Rated cross section: 6 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2714271                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BE12                           |
| Product key                          | BE1253                         |
| GTIN                                 | 4017918108755                  |
| Weight per piece (including packing) | 34.184 g                       |
| Weight per piece (excluding packing) | 33.032 g                       |
| Customs tariff number                | 85369010                       |
| Country of origin                    | GR                             |

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## Technical data

### Product properties

|                       |                       |
|-----------------------|-----------------------|
| Product type          | Ground terminal block |
| Number of connections | 5                     |
| Number of rows        | 3                     |
| Potentials            | 2                     |

### Insulation characteristics

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

### Electrical properties

|                     |      |
|---------------------|------|
| Rated surge voltage | 4 kV |
|---------------------|------|

### Connection data

|                                 |                   |
|---------------------------------|-------------------|
| Grounding foot                  | Yes               |
| Number of connections per level | 2                 |
| Nominal cross section           | 6 mm <sup>2</sup> |

### 1st, 2nd and 3rd level

|   |   |
|---|---|
| Connection method   | Screw connection  |
| Screw thread  | M3  |
| Note  | Please observe the current carrying capacity of the DIN rails.        |
| Tightening torque   | 0.5 ... 0.6 Nm  |
| Stripping length  | 9 mm  |
| Connection in acc. with standard                                  | IEC 60947-7-1/IEC 60947-7-2   |
| 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> ... 4 mm <sup>2</sup>                            |
| Nominal cross section   | 6 mm <sup>2</sup>   |
| Nominal current   | 41 A  |
| Maximum load current  | 41 A (with 6 mm <sup>2</sup> conductor cross-section)                 |
| Nominal voltage   | 400 V (phase conductor/phase conductor)<br>250 V (phase conductor/PE) |

### Dimensions

|       |        |
|-------|--------|
| Width | 8.2 mm |
|-------|--------|

### Material specifications

|  |      |
|--|------|
| Color                                  | gray |
| Flammability rating according to UL 94 | V0   |

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|   |             |
|---|-------------|
| 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

### Mechanical data

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

## Standards and regulations

|                                  |                             |
|----------------------------------|-----------------------------|
| Connection in acc. with standard | IEC 60947-7-1/IEC 60947-7-2 |
|----------------------------------|-----------------------------|

## Mounting

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

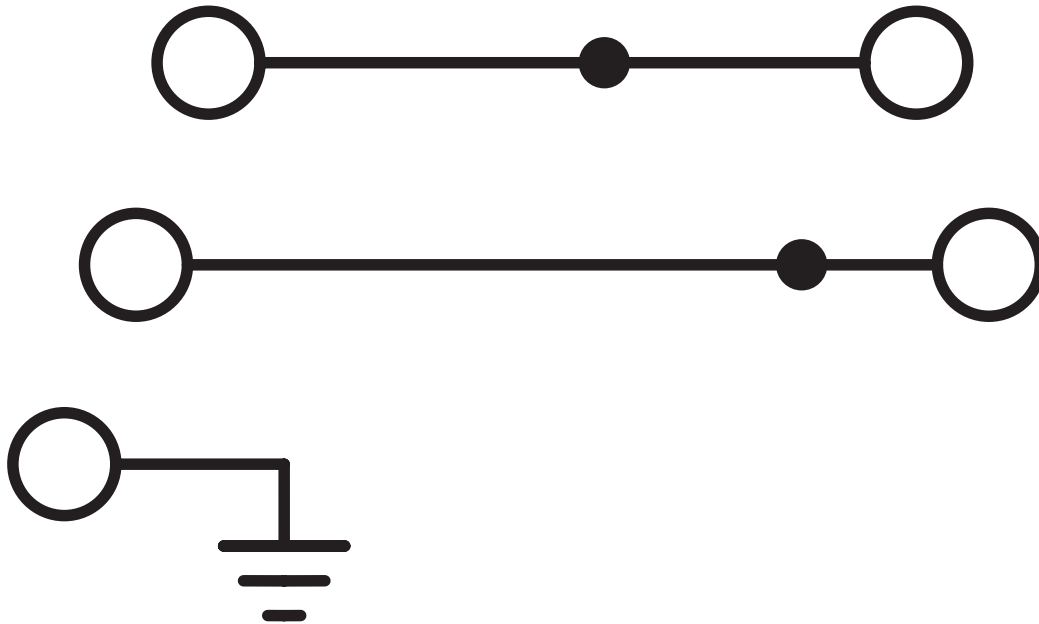
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## Drawings

Circuit diagram

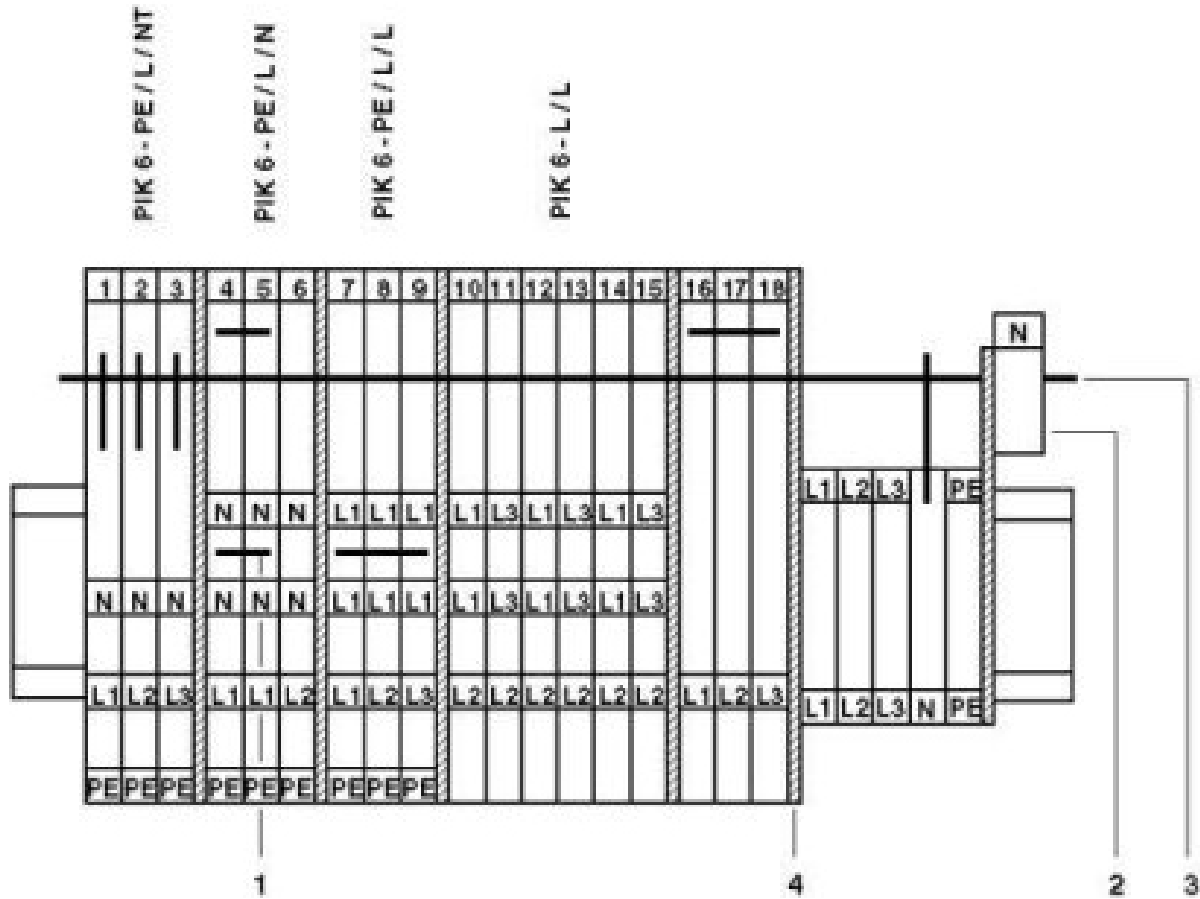


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Circuit diagram



- 1 = cover
- 2 = fixed bridge
- 3 = N connection terminal block
- 4 = partition plate
- 5 = N busbar

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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) |
|-------------------------------------|----------------------|

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