

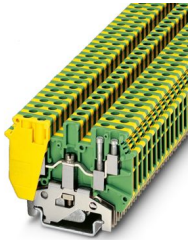
# UDK 4-PE - Protective conductor terminal block



2775184

<https://www.phoenixcontact.com/us/products/2775184>

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Protective conductor terminal block, double connection on each side, number of connections: 4, number of positions: 1, connection method: Screw connection, 1 level, cross section:  $0.2 \text{ mm}^2 - 6 \text{ mm}^2$ , mounting method: PE foot with mounting screw, M3, mounting type: NS 35/7,5, NS 35/15, NS 32, color: green-yellow

## Your advantages

- Two connection points on each side to accommodate several conductors
- Double bridge shaft enables individual potential distribution and supply

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2775184       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE12          |
| Product key                          | BE1223        |
| GTIN                                 | 4017918068486 |
| Weight per piece (including packing) | 28.04 g       |
| Weight per piece (excluding packing) | 28.04 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | PL            |

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## Technical data

### Product properties

|                       |                       |
|-----------------------|-----------------------|
| Product type          | Ground terminal block |
| Product family        | UDK                   |
| Number of positions   | 1                     |
| Number of connections | 4                     |
| Number of rows        | 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

|                                 |                   |
|---------------------------------|-------------------|
| Grounding foot                  | Yes               |
| Number of connections per level | 2                 |
| Nominal cross section           | 4 mm <sup>2</sup> |

#### 1 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  | 8 mm   |
| Internal cylindrical gage   | A3   |
| Connection in acc. with standard                                  | IEC 60947-7-2  |
| Conductor cross-section rigid                                     | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>                      |
| Cross section AWG   | 24 ... 10 (converted acc. to IEC)                              |
| Conductor cross-section flexible                                  | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>                      |
| Conductor cross-section, flexible [AWG]                           | 24 ... 12 (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> ... 1.5 mm <sup>2</sup>                   |

### Dimensions

|                    |         |
|--------------------|---------|
| Width              | 6.2 mm  |
| Height             | 63.5 mm |
| Depth on NS 32     | 52 mm   |
| Depth on NS 35/7,5 | 47 mm   |
| Depth on NS 35/15  | 54.5 mm |

### Material specifications

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|   |              |
|---|--------------|
| Color   | green-yellow |
| 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)) | 125 °C       |
| Relative insulation material temperature index (Elec., UL 746 B)        | 125 °C       |

## Mechanical properties

### General

|                         |   |
|-------------------------|---|
| Terminal block mounting | 0.6 Nm ... 0.8 Nm (PE foot with mounting screw, M3) |
|-------------------------|---|

### 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 60947-7-2 |
|----------------------------------|---------------|

## Mounting

|                         |   |
|-------------------------|---|
| Mounting type           | NS 35/7,5   |
|                         | NS 35/15  |
|                         | NS 32   |
| Terminal block mounting | 0.6 Nm ... 0.8 Nm (PE foot with mounting screw, M3) |

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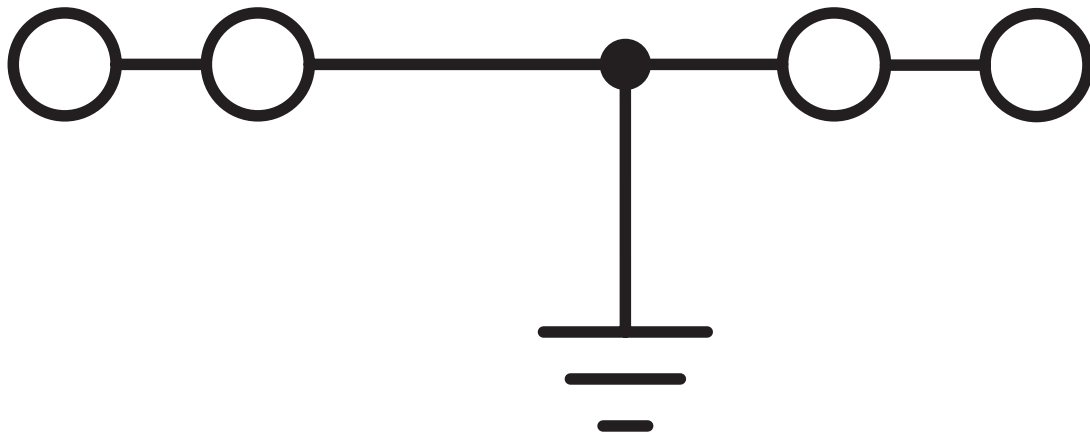


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## Drawings

Circuit diagram



# UDK 4-PE - Protective conductor terminal block





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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2775184>

|  <b>CSA</b><br>Approval ID: 13631 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | -                     | -                     | 22 - 10           | -                           |

|  <b>EAC</b><br>Approval ID: KZ7500651131219505 |  |  |  |  |
|---|--|--|--|--|
|---|--|--|--|--|

|  <b>cULus Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| B  |                       |                       |                   |                             |
|  | -                     | -                     | 30 - 10           | -                           |
| Clamping screw   | -                     | -                     | 30 - 10           | -                           |
| C  |                       |                       |                   |                             |
|  | -                     | -                     | 30 - 10           | -                           |
| Clamping screw   | -                     | -                     | 30 - 10           | -                           |

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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  |
| 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)                 |
| SCIP                                | 5ede7d04-59c4-47ec-96b7-7fe83d6cd8c2 |

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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)