

## Installation level terminal block - PIK 6-PE/L/NT - 2714268

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Installation level terminal block, Screw connection, Cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 24 - 8, Width: 8.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

### Product Features

- ☒ Same shape as PIK 4 terminal blocks

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918104863 |

### Technical data

#### General

|                                         |                                                                                                                                                                                           |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note                                    | Assembly instructions: For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. |
| Number of levels                        | 3                                                                                                                                                                                         |
| Number of connections                   | 5                                                                                                                                                                                         |
| Color                                   | gray                                                                                                                                                                                      |
| Insulating material                     | PA                                                                                                                                                                                        |
| Inflammability class according to UL 94 | V0                                                                                                                                                                                        |

#### General

|                                                 |                                                       |
|-------------------------------------------------|-------------------------------------------------------|
| Maximum load current                            | 41 A (with 6 mm <sup>2</sup> conductor cross section) |
| Current carrying capacity of the neutral busbar | 140 A                                                 |
| Rated surge voltage                             | 4 kV                                                  |
| Pollution degree                                | 3                                                     |
| Surge voltage category                          | III                                                   |
| Insulating material group                       | I                                                     |
| Connection in acc. with standard                | IEC 60947-7-1 / IEC 60947-7-2                         |
| Nominal current I <sub>N</sub>                  | 41 A                                                  |
| Nominal voltage U <sub>N</sub>                  | 400 V (phase conductor/phase conductor)               |
| Nominal voltage U <sub>N</sub>                  | 250 V (phase conductor/PE)                            |
| Nominal voltage U <sub>N</sub>                  | 250 V (phase conductor/N)                             |
| Open side panel                                 | nein                                                  |

### Dimensions

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## Technical data

### Dimensions

|                         |         |
|-------------------------|---------|
| <b>Width</b>            | 8.2 mm  |
| <b>Length</b>           | 88 mm   |
| <b>Height NS 35/7,5</b> | 51.5 mm |
| <b>Height NS 35/15</b>  | 59 mm   |

### Connection data

|                                                                                                |                      |
|------------------------------------------------------------------------------------------------|----------------------|
| <b>Note</b>                                                                                    | Terminal point       |
| <b>Conductor cross section solid min.</b>                                                      | 0.2 mm <sup>2</sup>  |
| <b>Conductor cross section solid max.</b>                                                      | 10 mm <sup>2</sup>   |
| <b>Conductor cross section stranded min.</b>                                                   | 0.2 mm <sup>2</sup>  |
| <b>Conductor cross section stranded max.</b>                                                   | 6 mm <sup>2</sup>    |
| <b>Conductor cross section AWG/kcmil min.</b>                                                  | 24                   |
| <b>Conductor cross section AWG/kcmil max</b>                                                   | 8                    |
| <b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>              | 0.25 mm <sup>2</sup> |
| <b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>              | 6 mm <sup>2</sup>    |
| <b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>                 | 0.25 mm <sup>2</sup> |
| <b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>                 | 4 mm <sup>2</sup>    |
| <b>2 conductors with same cross section, solid min.</b>                                        | 0.2 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, solid max.</b>                                        | 2.5 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded min.</b>                                     | 0.2 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded max.</b>                                     | 2.5 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b>   | 0.25 mm <sup>2</sup> |
| <b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b>   | 1.5 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.</b> | 0.5 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b> | 2.5 mm <sup>2</sup>  |
| <b>Connection method</b>                                                                       | Screw connection     |
| <b>Stripping length</b>                                                                        | 9 mm                 |
| <b>Screw thread</b>                                                                            | M3                   |
| <b>Tightening torque, min</b>                                                                  | 0.5 Nm               |
| <b>Tightening torque max</b>                                                                   | 0.6 Nm               |

## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 4.0</b> | 27141118 |
| <b>eCl@ss 4.1</b> | 27141118 |
| <b>eCl@ss 5.0</b> | 27141118 |

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## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 5.1</b> | 27141118 |
| <b>eCl@ss 6.0</b> | 27141125 |
| <b>eCl@ss 7.0</b> | 27141125 |
| <b>eCl@ss 8.0</b> | 27141125 |

### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 2.0</b> | EC001329 |
| <b>ETIM 3.0</b> | EC001329 |
| <b>ETIM 4.0</b> | EC001329 |
| <b>ETIM 5.0</b> | EC001329 |

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211811 |
| <b>UNSPSC 7.0901</b> | 39121410 |
| <b>UNSPSC 11</b>     | 39121410 |
| <b>UNSPSC 12.01</b>  | 39121410 |
| <b>UNSPSC 13.2</b>   | 39121410 |

## approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized /

### Approval details

|                                                                                                          |       |
|----------------------------------------------------------------------------------------------------------|-------|
| <b>UL Recognized</b>  |       |
| Nominal voltage UN                                                                                       | 300 V |
| Nominal current IN                                                                                       | 30 A  |
| mm²/AWG/kcmil                                                                                            | 26-8  |

|                                                                                                           |       |
|-----------------------------------------------------------------------------------------------------------|-------|
| <b>cUL Recognized</b>  |       |
| Nominal voltage UN                                                                                        | 300 V |
| Nominal current IN                                                                                        | 30 A  |
| mm²/AWG/kcmil                                                                                             | 26-8  |

|                                                                                                 |  |
|-------------------------------------------------------------------------------------------------|--|
| <b>GOST</b>  |  |
|-------------------------------------------------------------------------------------------------|--|

## Installation level terminal block - PIK 6-PE/L/NT - 2714268

approvals



cULus Recognized US

accessories

**Partition plate**

ATP-PIK - 2714145



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**Terminal marking**

SBS 8:UNBEDRUCKT - 1007235



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ZB 8:UNBEDRUCKT - 1052002



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UC-TM 8 - 0818072



## Installation level terminal block - PIK 6-PE/L/NT - 2714268

### accessories

UCT-TM 8 - 0828740



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### Screwdriver tools

SZS 0,6X3,5 - 1205053



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### Marker pen

X-PEN 0,35 - 0811228



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### Support

AB-UTI/3 - 3076038



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### Bridge

FBRI 10-8 N - 2772080



## Installation level terminal block - PIK 6-PE/L/NT - 2714268

### accessories

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#### Neutral conductor rail

NLS-CU 3/10 SN 1000MM - 0402174



#### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



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### accessories

NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



## Installation level terminal block - PIK 6-PE/L/NT - 2714268

### accessories

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NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599





## Installation level terminal block - PIK 6-PE/L/NT - 2714268

### accessories

NS 35/15 ZN UNPERF 2000MM - 1206586



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NS 35/15 CU UNPERF 2000MM - 1201895



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NS 35/15 CAP - 1206573



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NS 35/15-2,3 UNPERF 2000MM - 1201798



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### Labeled terminal marker

ZB 8 CUS - 0825011



## Installation level terminal block - PIK 6-PE/L/NT - 2714268

### accessories

UC-TM 8 CUS - 0824597



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UCT-TM 8 CUS - 0829616



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### End block

CLIPFIX 35 - 3022218



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CLIPFIX 35-5 - 3022276



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E/NS 35 N - 0800886



## Installation level terminal block - PIK 6-PE/L/NT - 2714268

### accessories

E/UK - 1201442

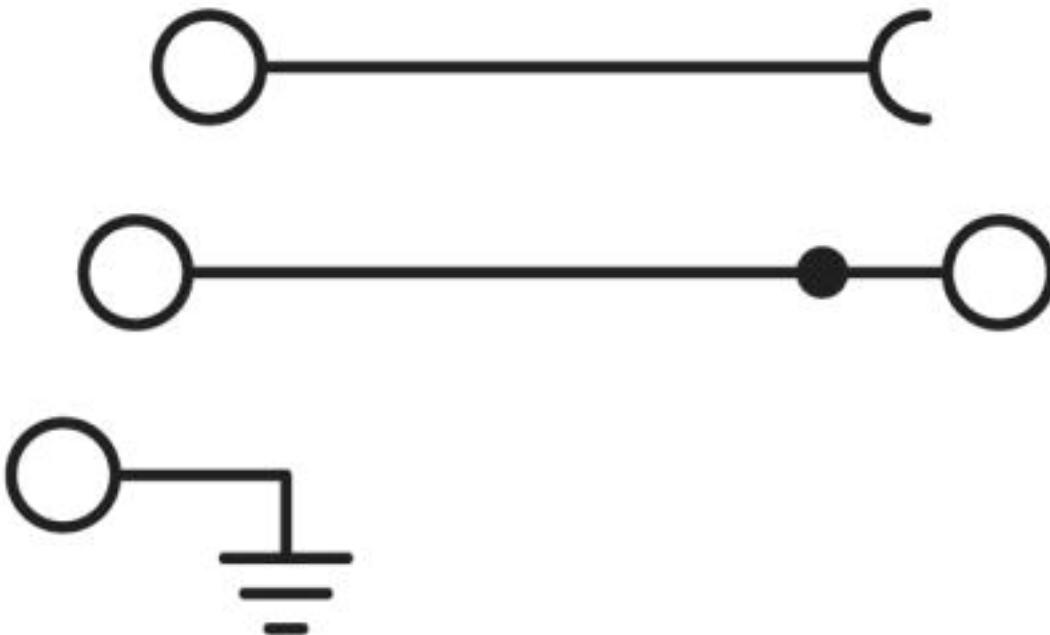


E/UK 1 - 1201413



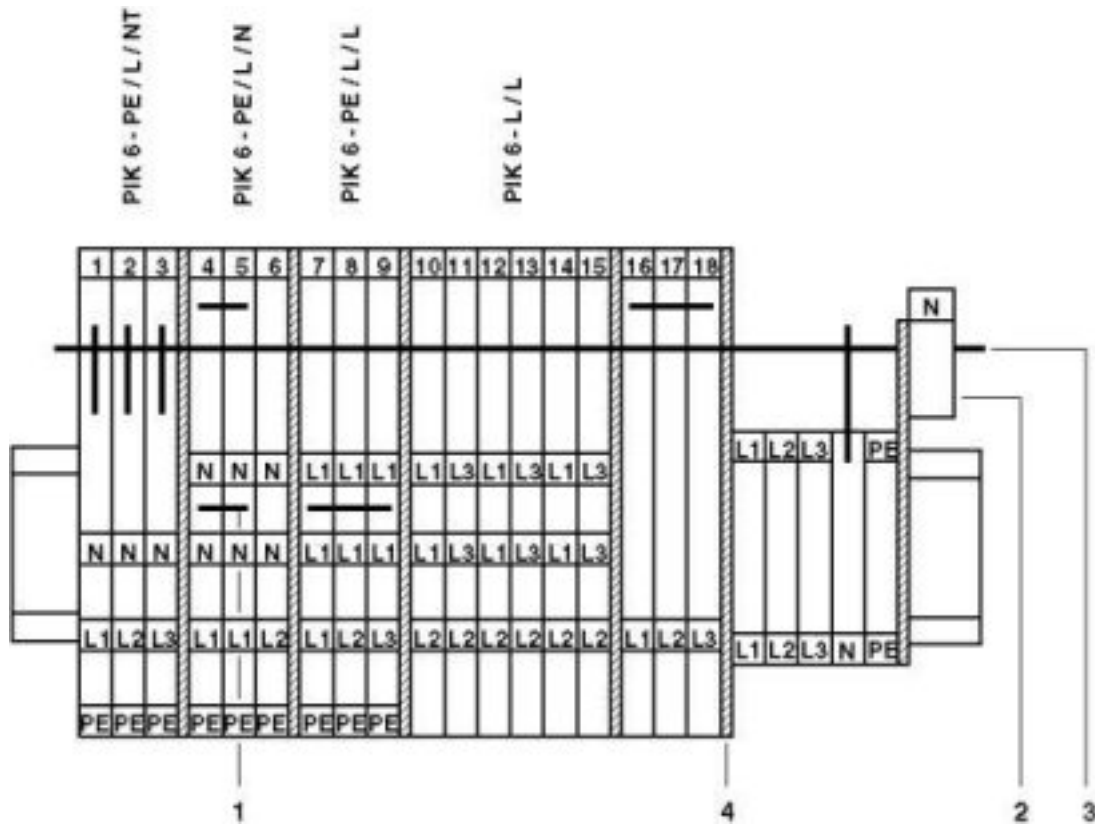
### Drawings

Circuit diagram



## Installation level terminal block - PIK 6-PE/L/NT - 2714268

Circuit diagram



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

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