

## PCB terminal block - PT 1,5/11-5,0-H - 1935255

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PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 11, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, Also possible: Connection of a 1.5 mm<sup>2</sup> conductor with ferrule, then however with reduction in rated voltage or pollution degree / surge category.

The figure shows a 10-position version of the product

### Product Features

- ✓ 5.0 mm pitch
- ✓ Large terminal block capacity thanks to rectangular clamping space
- ✓ Rugged version with high current carrying capacity
- ✓ Highly flexible conductor protection for easy, repeated connection
- ✓ Plus/minus screw

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918917029 |

### Technical data

#### Dimensions

|                |         |
|----------------|---------|
| Length         | 9 mm    |
| Height         | 11.3 mm |
| Pitch          | 5 mm    |
| Dimension a    | 50 mm   |
| Pin dimensions | 1,0 mm  |
| Pin spacing    | 5 mm    |
| Hole diameter  | 1.3 mm  |

#### General

|                                  |             |
|----------------------------------|-------------|
| Range of articles                | PT 1,5/..-H |
| Insulating material group        | I           |
| Rated surge voltage (III/3)      | 4 kV        |
| Rated surge voltage (III/2)      | 4 kV        |
| Rated surge voltage (II/2)       | 4 kV        |
| Rated voltage (III/3)            | 250 V       |
| Rated voltage (III/2)            | 400 V       |
| Rated voltage (II/2)             | 630 V       |
| Connection in acc. with standard | EN-VDE      |

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## Technical data

### General

|                                         |                     |
|-----------------------------------------|---------------------|
| Nominal current $I_N$                   | 17.5 A              |
| Nominal cross section                   | 1.5 mm <sup>2</sup> |
| Maximum load current                    | 17.5 A              |
| Insulating material                     | PA                  |
| Solder pin surface                      | Sn                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A 1                 |
| Stripping length                        | 5 mm                |
| Number of positions                     | 11                  |
| Screw thread                            | M2,6                |
| Tightening torque, min                  | 0.35 Nm             |
| Tightening torque max                   | 0.4 Nm              |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                                   | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 26                   |
| Conductor cross section AWG/kcmil max                                                   | 14                   |
| 2 conductors with same cross section, solid min.                                        | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                        | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 0.34 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.75 mm <sup>2</sup> |
| Minimum AWG according to UL/CUL                                                         | 26                   |
| Maximum AWG according to UL/CUL                                                         | 12                   |

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## classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 34131203 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

## approvals

UL Recognized / SEV / cUL Recognized / CCA / VDE Gutachten mit Fertigungsüberwachung / CCA / IECCEB Scheme / GOST / GOST / cULus Recognized /

### Approval details

| UL Recognized  |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                         | B     | D     |
| Nominal voltage UN                                                                                | 300 V | 300 V |
| Nominal current IN                                                                                | 18 A  | 10 A  |
| mm²/AWG/kcmil                                                                                     | 26-12 | 26-12 |

| SEV                |       |
|--------------------|-------|
| Nominal voltage UN | 250 V |
| Nominal current IN | 16 A  |
| mm²/AWG/kcmil      | 2.5   |

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## approvals

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                        | B     | D     |
| Nominal voltage UN                                                                               | 300 V | 300 V |
| Nominal current IN                                                                               | 18 A  | 10 A  |
| mm²/AWG/kcmil                                                                                    | 26-12 | 26-12 |

|                    |       |
|--------------------|-------|
| <b>CCA</b>         |       |
| Nominal voltage UN | 250 V |
| Nominal current IN | 16 A  |
| mm²/AWG/kcmil      | 2.5   |

|                                                                                                                            |         |
|----------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| Nominal voltage UN                                                                                                         | 250 V   |
| Nominal current IN                                                                                                         | 24 A    |
| mm²/AWG/kcmil                                                                                                              | 0.2-2.5 |

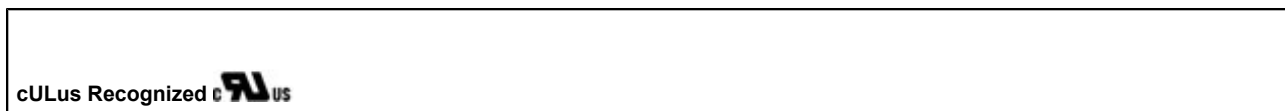
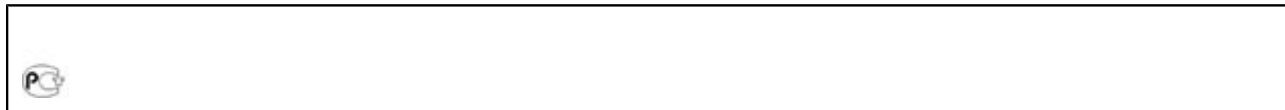
|                    |         |
|--------------------|---------|
| Nominal voltage UN | 250 V   |
| Nominal current IN | 24 A    |
| mm²/AWG/kcmil      | 0.2-2.5 |

|                                                                                                     |         |
|-----------------------------------------------------------------------------------------------------|---------|
| IECEE CB Scheme  |         |
| Nominal voltage UN                                                                                  | 250 V   |
| Nominal current IN                                                                                  | 24 A    |
| mm²/AWG/kcmil                                                                                       | 0.2-2.5 |

|                                                                                          |  |
|------------------------------------------------------------------------------------------|--|
| GOST  |  |
|------------------------------------------------------------------------------------------|--|

## PCB terminal block - PT 1,5/11-5,0-H - 1935255

approvals



accessories

### Screwdriver tools

SZS 0,6X3,5 - 1205053



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### Labeled terminal marker

SK 5/3,8:FORTL.ZAHLEN - 0804183

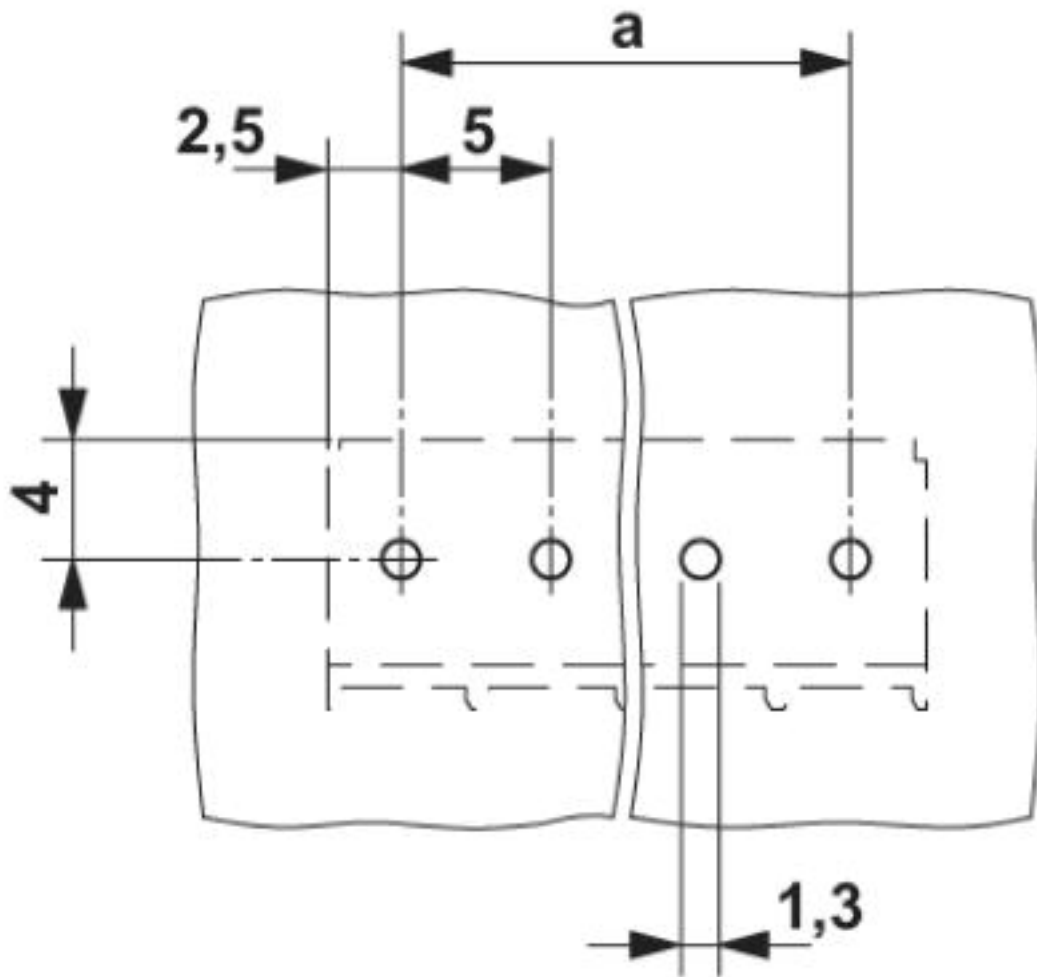


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Drawings

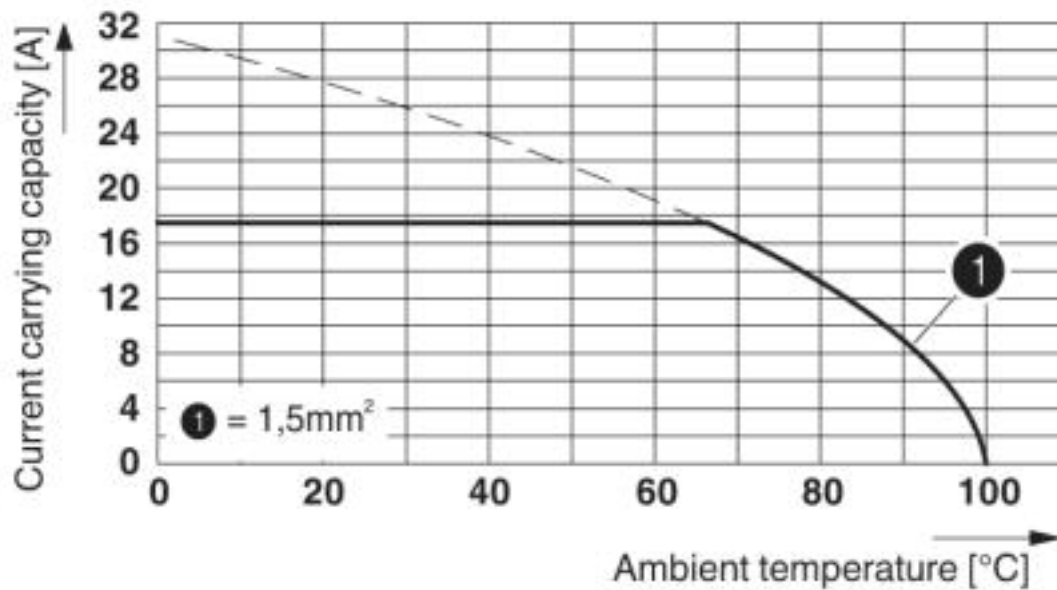
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Drilling diagram



## PCB terminal block - PT 1,5/11-5,0-H - 1935255

Diagram



Derating diagram for 5 pins;reduction factor=1

Dimensioned drawing

