

## PCB terminal block - PTDA 2,5/11-5,0 - 1725419

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 11, Connection method: Spring-cage connection, Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green




The figure shows a 10-position version of the product

### Why buy this product

- 5.0 mm pitch
- Large terminal block capacity with compact dimensions
- Attractive design for connection at a glance
- Optional color coding
- Plug with optional mechanical coding
- Spring-cage double connection with direct plug-in technology with a release button



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| GTIN                                 | <br>4 046356 129343 |
| Weight per Piece (excluding packing) | 17.31 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|                |           |
|----------------|-----------|
| Pitch          | 5 mm      |
| Dimension a    | 50 mm     |
| Pin dimensions | 1,0 x 0,4 |
| Pin spacing    | 5 mm      |
| Hole diameter  | 1.3 mm    |

#### General

|                           |           |
|---------------------------|-----------|
| Range of articles         | PTDA 2,5/ |
| Insulating material group | I         |

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## Technical data

### General

|   |                     |
|---|---------------------|
| 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)                   | 320 V               |
| Rated voltage (III/2)                   | 400 V               |
| Rated voltage (II/2)                    | 630 V               |
| Connection in acc. with standard        | EN-VDE              |
| Nominal current $I_N$                   | 24 A                |
| Nominal cross section                   | 2.5 mm <sup>2</sup> |
| Maximum load current                    | 24 A                |
| Insulating material                     | PA                  |
| Solder pin surface                      | Sn                  |
| Inflammability class according to UL 94 | V0                  |
| Stripping length                        | 10 mm               |
| Number of positions                     | 11                  |

### 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.              | 0.5 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.5 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 1 mm <sup>2</sup>   |
| Conductor cross section AWG/kcmil min.  | 24                  |
| 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.  | 2.5 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.                                     | 2.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 2.5 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. | 1 mm <sup>2</sup>   |
| Minimum AWG according to UL/CUL   | 24                  |

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## Technical data

### Connection data

|                                 |    |
|---------------------------------|----|
| Maximum AWG according to UL/CUL | 14 |
|---------------------------------|----|

## 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

### Approvals

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#### Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IECCE CB Scheme / GOST / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

# PCB terminal block - PTDA 2,5/11-5,0 - 1725419

## Approvals

UL Recognized

|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 24-14 | 24-14 |
| Nominal current I <sub>N</sub> | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

VDE Gutachten mit Fertigungsüberwachung

|                                |         |
|--------------------------------|---------|
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 24 A    |
| Nominal voltage U <sub>N</sub> | 250 V   |

cUL Recognized

|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 24-14 | 24-14 |
| Nominal current I <sub>N</sub> | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

CCA

|                                |         |
|--------------------------------|---------|
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 24 A    |
| Nominal voltage U <sub>N</sub> | 250 V   |

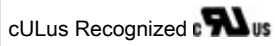
IECEE CB Scheme

|                                |         |
|--------------------------------|---------|
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 24 A    |
| Nominal voltage U <sub>N</sub> | 250 V   |

GOST

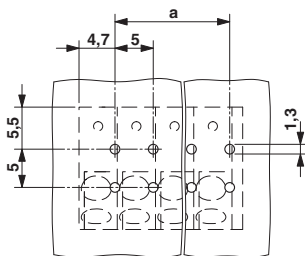
# PCB terminal block - PTDA 2,5/11-5,0 - 1725419

## Approvals

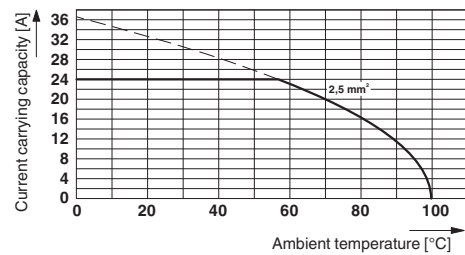


## Drawings

Drilling diagram



Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensioned drawing

