

## PCB terminal block - PTDA 2,5/ 3-5,0 - 1725315

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 3, Connection method: Spring-cage conn., Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green

The figure shows a 10-position version of the product

### Product Features

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

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4046356129268 |

### Technical data

#### Dimensions

|                |           |
|----------------|-----------|
| Pitch          | 5 mm      |
| Dimension a    | 10 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         |
| 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 <sub>N</sub>   | 24 A      |

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## Technical data

### General

|                                         |                     |
|-----------------------------------------|---------------------|
| 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                     | 3                   |

### 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                  |
| 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 |

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## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 6.0</b> | 27261101 |
| <b>eCl@ss 7.0</b> | 27440401 |
| <b>eCl@ss 8.0</b> | 27440401 |

### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 3.0</b> | EC001121 |
| <b>ETIM 4.0</b> | EC002643 |
| <b>ETIM 5.0</b> | EC002643 |

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211801 |
| <b>UNSPSC 7.0901</b> | 39121432 |
| <b>UNSPSC 11</b>     | 34131203 |
| <b>UNSPSC 12.01</b>  | 39121432 |
| <b>UNSPSC 13.2</b>   | 39121432 |

## approvals

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

### Approval details

| <b>UL Recognized</b>  |       |       |
|----------------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                                | B     | D     |
| Nominal voltage UN                                                                                       | 300 V | 300 V |
| Nominal current IN                                                                                       | 15 A  | 10 A  |
| mm²/AWG/kcmil                                                                                            | 24-14 | 24-14 |

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

|                                                                                                           |
|-----------------------------------------------------------------------------------------------------------|
| <b>cUL Recognized</b>  |
|-----------------------------------------------------------------------------------------------------------|

## PCB terminal block - PTDA 2,5/ 3-5,0 - 1725315

### approvals

| Usegroups          | B     | D     |
|--------------------|-------|-------|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 15 A  | 10 A  |
| mm²/AWG/kcmil      | 24-14 | 24-14 |

| CCA                |         |
|--------------------|---------|
| 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  |
|------------------------------------------------------------------------------------------|

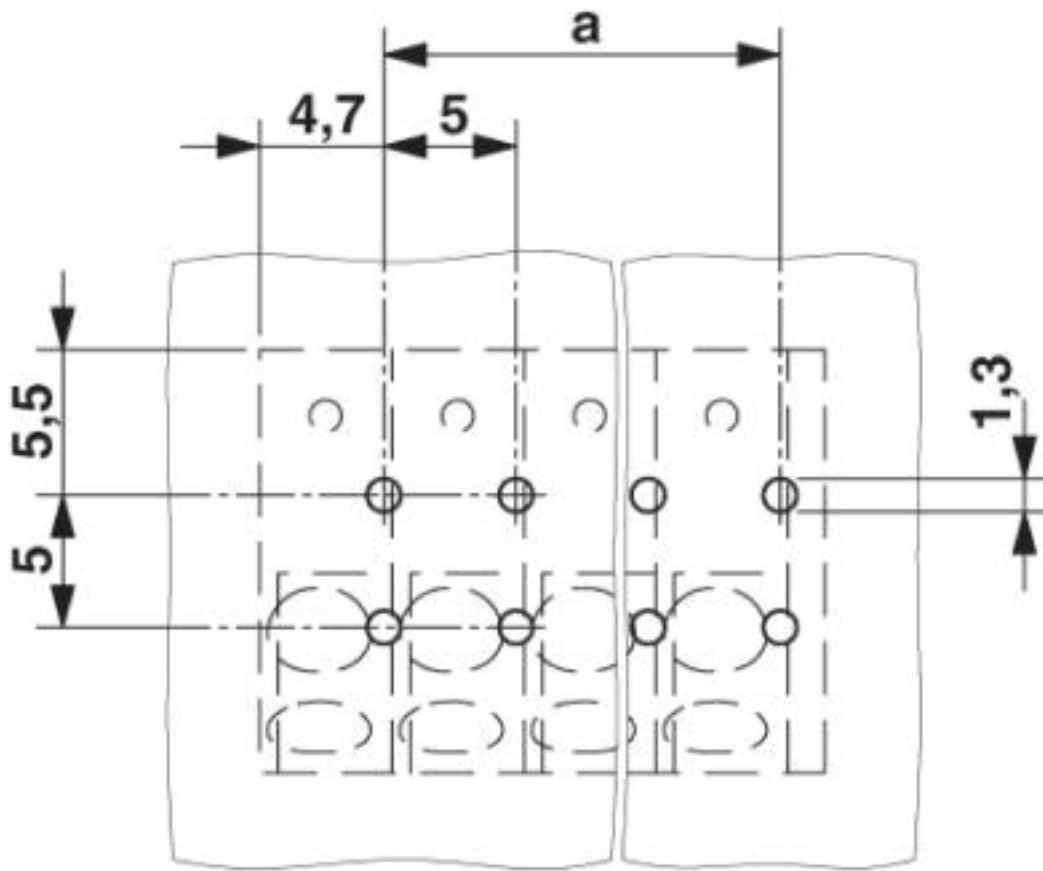
|                                                                                     |
|-------------------------------------------------------------------------------------|
|  |
|-------------------------------------------------------------------------------------|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

### Drawings

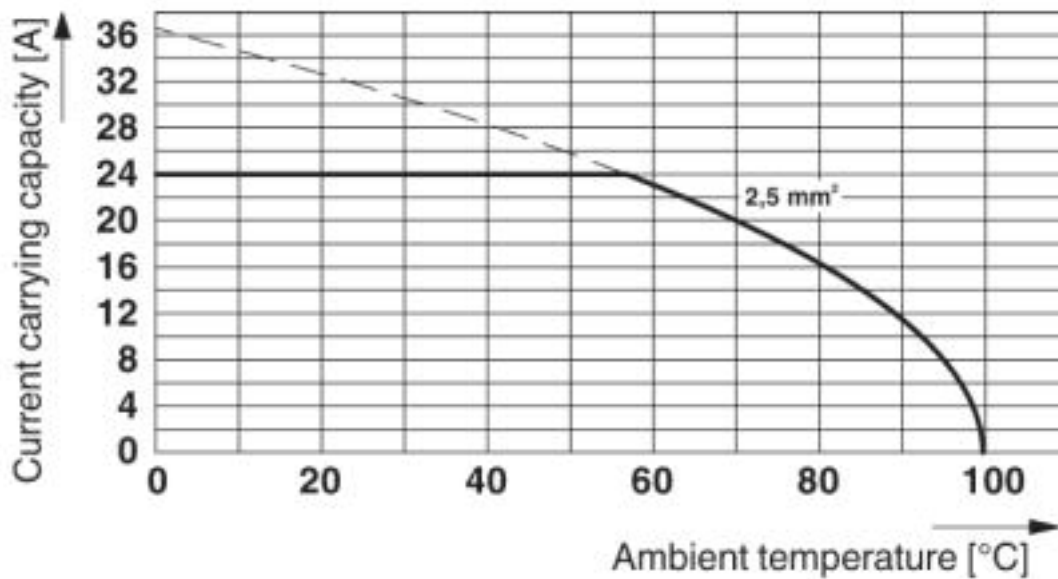
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Drilling diagram



## PCB terminal block - PTDA 2,5/ 3-5,0 - 1725315

Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensioned drawing

