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# PCB terminal block - PTDA 2,5/ 2-5,0 - 1725302

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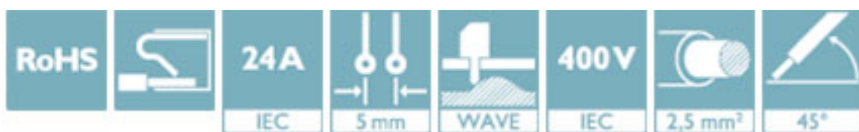
PCB terminal block, nominal current: 24 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 2, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green




The figure shows a 10-position version of the product

## Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Potentials can be easily looped through – ideal for BUS applications
- ✓ Quick and convenient testing using integrated test option
- ✓ Rounded type for individual device design
- ✓ Two solder pins reduce the mechanical strain on the soldering spots



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 STK  |
| GTIN         | <br>4 046356 129251 |
| GTIN         | 4046356129251   |

## Technical data

### Dimensions

|                       |              |
|-----------------------|--------------|
| Length [ l ]          | 16 mm        |
| Pitch                 | 5 mm         |
| Dimension a           | 5 mm         |
| Width [ w ]           | 11.4 mm      |
| Constructional height | 16 mm        |
| Height [ h ]          | 19.5 mm      |
| Solder pin [ P ]      | 3.5 mm       |
| Pin dimensions        | 1,0 x 0,4 mm |
| Pin spacing           | 5 mm         |

# PCB terminal block - PTDA 2,5/ 2-5,0 - 1725302

## Technical data

### Dimensions

|               |        |
|---------------|--------|
| 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 $I_N$                  | 24 A                |
| Nominal cross section                  | 2.5 mm <sup>2</sup> |
| Maximum load current                   | 24 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 10 mm               |
| Number of positions                    | 2                   |

### 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 flexible min.   | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max.   | 2.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 1 mm <sup>2</sup>   |
| Conductor cross section AWG min.  | 24                  |
| Conductor cross section AWG 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>   |

# PCB terminal block - PTDA 2,5/ 2-5,0 - 1725302

## Technical data

### Standards and Regulations

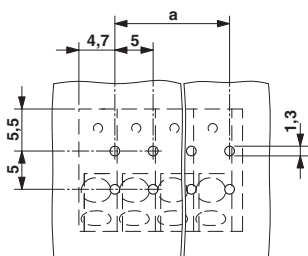
|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CUL    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

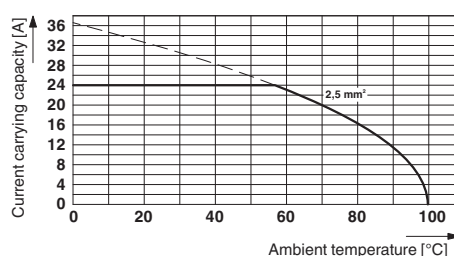
|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Drilling diagram

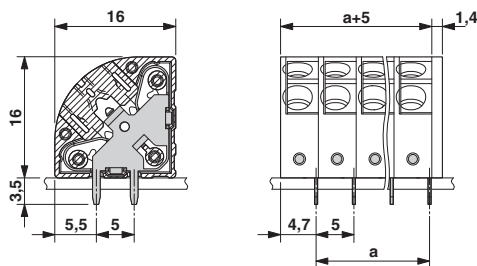


Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensional drawing



## Approvals

Approvals

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Approvals

VDE Gutachten mit Fertigungsüberwachung / CCA / IEC CB Scheme / EAC / cULus Recognized

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Ex Approvals

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## Approval details

# PCB terminal block - PTDA 2,5/ 2-5,0 - 1725302


## Approvals

|   |   |   |          |
|---|---|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40030462 |
| Nominal voltage UN                      | 250 V   |   |          |
| Nominal current IN                      | 24 A  |   |          |
| mm²/AWG/kcmil                           | 0.2-2.5   |   |          |

|                    |           |  |  |
|--------------------|-----------|--|--|
| CCA                | DE1 34029 |  |  |
| Nominal voltage UN | 250 V     |  |  |
| Nominal current IN | 24 A      |  |  |
| mm²/AWG/kcmil      | 0.2-2.5   |  |  |

|                    |  |   |           |
|--------------------|--|---|-----------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-46805 |
| Nominal voltage UN | 250 V  |   |           |
| Nominal current IN | 24 A   |   |           |
| mm²/AWG/kcmil      | 0.2-2.5  |   |           |

|     |   |         |  |
|-----|---|---------|--|
| EAC |  | B.01742 |  |
|-----|---|---------|--|

|                    |   |   |                 |
|--------------------|---|---|-----------------|
| cULus Recognized   |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-20030211 |
|                    | D   | B   |                 |
| Nominal voltage UN | 300 V   | 300 V   |                 |
| Nominal current IN | 10 A  | 15 A  |                 |
| mm²/AWG/kcmil      | 24-14   | 24-14   |                 |

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