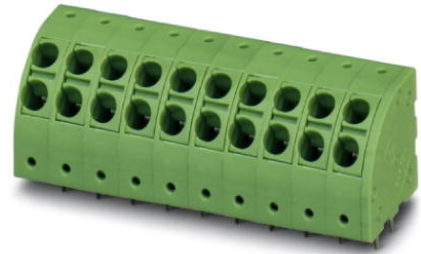


## PTDA 2,5/ 4-5,0


Order No.: 1725328

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1725328>

PC terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch:  
5 mm, Number of positions: 4, Connection method: Spring-cage conn.,  
Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color:  
green

### Commercial data

|                          |   |
|--------------------------|---|
| GTIN (EAN)               |  |
| sales group              | E412  |
| Pack                     | 50 pcs.   |
| Customs tariff           | 85369010  |
| Catalog page information | Page 457 (CC-2009)  |

### Product notes

WEEE/RoHS-compliant since:  
02/21/2006

[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
here has been taken from the  
online catalog. For comprehensive  
information and data, please refer  
to the user documentation. The  
General Terms and Conditions of  
Use apply to Internet downloads.

### Technical data

#### Dimensions / positions

|                     |       |
|---------------------|-------|
| Pitch               | 5 mm  |
| Dimension a         | 15 mm |
| Number of positions | 4     |

|                |           |
|----------------|-----------|
| Pin dimensions | 1,0 x 0,4 |
| Pin spacing    | 5 mm      |
| Hole diameter  | 1.3 mm    |

**Technical data**

|                                     |                     |
|-------------------------------------|---------------------|
| 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                  |
| Inflammability class acc. to UL 94  | V0                  |
| Stripping length                    | 10 mm               |
| Nominal voltage, UL/CUL Use Group B | 300 V               |
| Nominal current, UL/CUL Use Group B | 15 A                |
| Nominal voltage, UL/CUL Use Group D | 300 V               |
| Nominal current, UL/CUL Use Group D | 10 A                |

**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                  |

**Certificates / Approvals**

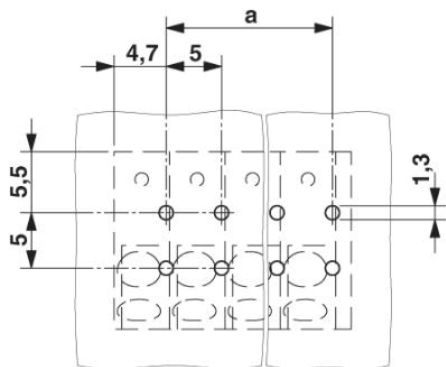


Certification

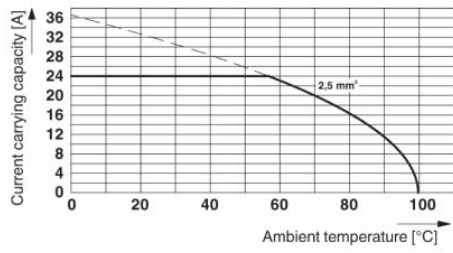
CB, CCA, CUL, UL, VDE-PZI

**Diagrams/Drawings**

Drilling plan/solder pad geometry

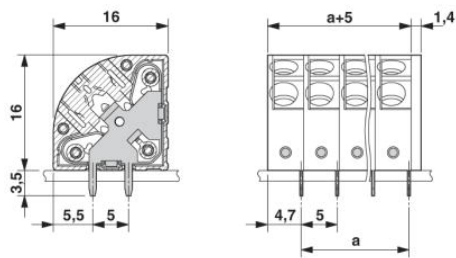


Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensioned drawing



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