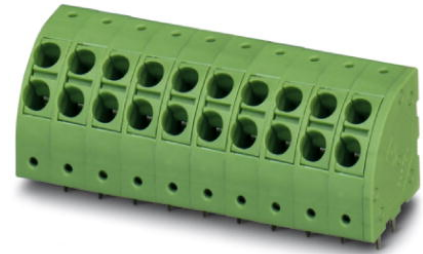


## PTDA 2,5/ 8-5,0

Order No.: 1725380

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1725380>

PC terminal block, Nominal current: 24 A, Nom. voltage: 320 V, Pitch:  
5 mm, Number of positions: 8, Type of connection: Spring-cage conn.,  
Assembly: Soldering, Conductor/PCB connection direction: 45 °,  
Color: green

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4046356129312      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.013998 KG        |
| Catalog page information | Page 457 (CC-2009) |

### Product notes

WEEE/RoHS-compliant since:  
07/08/2007



<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         | 35 mm |
| Number of positions | 8     |

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

#### Technical data

|                                    |                     |
|------------------------------------|---------------------|
| 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/2)              | 400 V               |
| Rated voltage (II/2)               | 630 V               |
| Connection in acc. with standard   | EN-VDE              |
| Nominal current $I_N$              | 24 A                |
| Nominal voltage $U_N$              | 320 V               |
| 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               |

#### 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>   |

#### Certificates / Approvals



Certification

CUL, UL

#### CUL

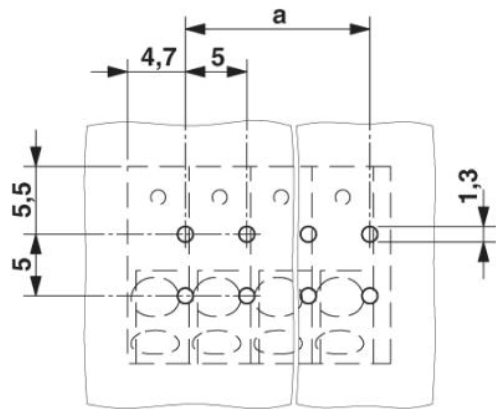
|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 24-14 |

#### UL

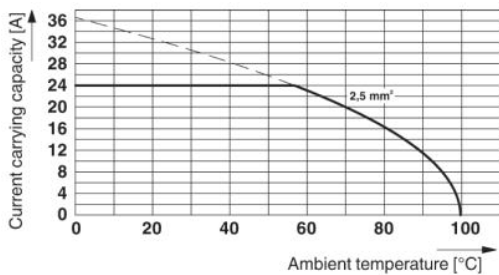
|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 24-14 |

Diagrams/Drawings

Drilling plan/solder pad geometry

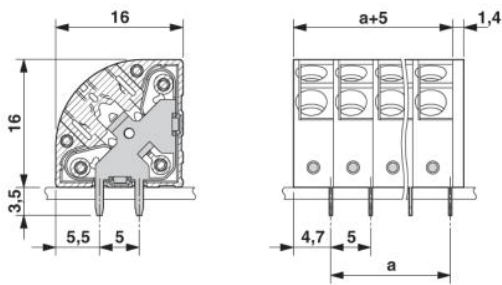


Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensioned drawing



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