

## PTA 1,5/13-3,5

Order No.: 1989065

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1989065>

PCB terminal block, nominal current: 10 A, rated voltage: 160 V, pitch:  
3.5 mm, no. of positions: 13, mounting: Soldering, type of connection:  
Screw connection, connection direction from the conductor to the PCB:  
45°

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4046356037051      |
| Pack                     | 50 Pcs.            |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.00656 KG         |
| Catalog page information | Page 415 (CC-2007) |

### Product notes

WEEE/RoHS-compliant since:  
08/26/2003



[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               | 3.5 mm |
| Dimension a         | 42 mm  |
| Number of positions | 13     |

|                        |         |
|------------------------|---------|
| Pin dimensions         | 0,9 mm  |
| Pin spacing            | 3.5 mm  |
| Hole diameter          | 1.2 mm  |
| Screw thread           | M 2     |
| Tightening torque, min | 0.25 Nm |

#### Technical data

|                                    |                                                                                                             |
|------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Insulating material group          | I                                                                                                           |
| Rated surge voltage (III/3)        | 2.5 kV                                                                                                      |
| Rated surge voltage (III/2)        | 2.5 kV                                                                                                      |
| Rated surge voltage (II/2)         | 2.5 kV                                                                                                      |
| Rated voltage (III/2)              | 200 V                                                                                                       |
| Rated voltage (II/2)               | 400 V                                                                                                       |
| Connection in acc. with standard   | EN-VDE                                                                                                      |
| Nominal current $I_N$              | 17.5 A                                                                                                      |
| Nominal voltage $U_N$              | 160 V                                                                                                       |
| Nominal cross section              | 1.5 mm <sup>2</sup>                                                                                         |
| Maximum load current               | 17.5 A (current values dependent on no. of pos., dimensioning of printed circuits, and ambient temperature) |
| Insulating material                | PA                                                                                                          |
| Inflammability class acc. to UL 94 | V0                                                                                                          |
| Stripping length                   | 5 mm                                                                                                        |

#### Connection data

|                                                                         |                      |
|-------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                   | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 0.75 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min.                                  | 26                   |
| Conductor cross section AWG/kcmil max                                   | 16                   |
| 2 conductors with same cross section, solid min.                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                        | 0.5 mm <sup>2</sup>  |

|                                                     |                      |
|-----------------------------------------------------|----------------------|
| 2 conductors with same cross section, stranded min. | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max. | 0.5 mm <sup>2</sup>  |

#### Certificates / Approvals



#### CUL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 26-16 |

#### UL

|                                |         |
|--------------------------------|---------|
| Nominal voltage U <sub>N</sub> | 300 V   |
| Nominal current I <sub>N</sub> | 10 A    |
| AWG/kcmil                      | 26-16   |
| Certification                  | CUL, UL |

#### Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

#### Marking

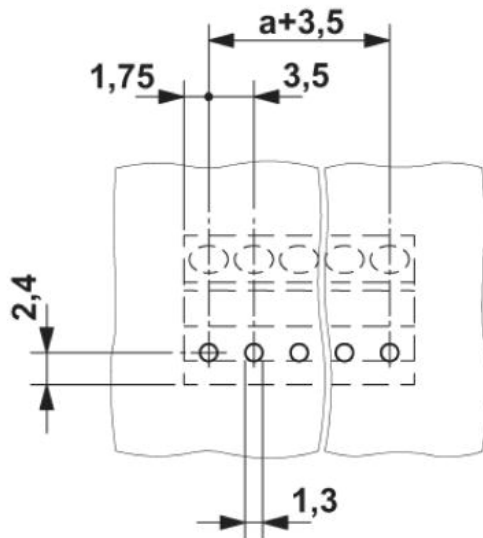
|         |                         |                                                                                                                                                                             |
|---------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0804073 | SK 3,5/2,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 10-section marker strip, 14 identical decades marked 1-10, 11-20 etc. up to 91-100, sufficient for 140 terminal blocks    |
| 0805030 | SK 3,5/2,8:SO           | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 14 identical marker strips per card, max. 25-position labeling per strip, color: White |

#### Tools

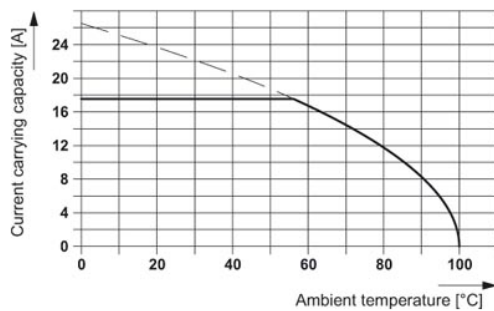
|         |             |                                                                                                                                |
|---------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1205037 | SZS 0,4X2,5 | Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm <sup>2</sup> connection cross section, blade: 0.4 x 2.5 mm |
|---------|-------------|--------------------------------------------------------------------------------------------------------------------------------|

## Drawings

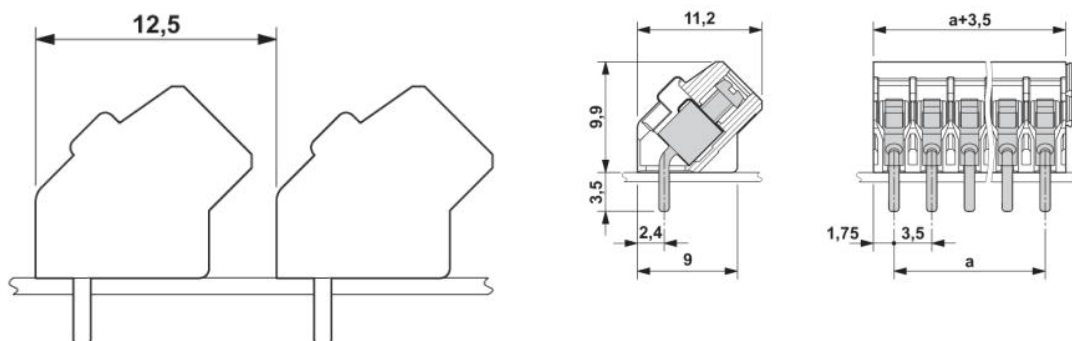
### Drilling diagram



### Diagram



### Dimensioned drawing



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