

## PTSA 0,5/ 6-2,5-Z

Order No.: 1990041

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1990041>

PC terminal block, Nominal current: 2 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 6, Type of connection: Spring-cage conn., Conductor/PCB connection direction: 45 °, Color: green, Offset soldering legs, two-rowed

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918973612      |
| Pack                     | 100 pcs.           |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.002529 KG        |
| Catalog page information | Page 459 (CC-2009) |

### Product notes

WEEE/RoHS-compliant since:  
01/29/2004



<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               | 2.5 mm  |
| Dimension a         | 12.5 mm |
| Number of positions | 6       |

|                |            |
|----------------|------------|
| Pin dimensions | 0,4 x 0,75 |
| Pin spacing    | 2.5 mm     |
| Hole diameter  | 1 mm       |

#### 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)              | 250 V               |
| Rated voltage (II/2)               | 400 V               |
| Connection in acc. with standard   | EN-VDE              |
| Nominal current $I_N$              | 2 A                 |
| Nominal voltage $U_N$              | 160 V               |
| Nominal cross section              | 0.5 mm <sup>2</sup> |
| Maximum load current               | 2 A                 |
| Insulating material                | PA                  |
| Inflammability class acc. to UL 94 | V0                  |
| Stripping length                   | 9 mm                |

#### Connection data

|                                        |                      |
|----------------------------------------|----------------------|
| Conductor cross section solid min.     | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.     | 0.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.  | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min. | 24                   |
| Conductor cross section AWG/kcmil max  | 20                   |

#### Certificates / Approvals



Certification CCA, CUL, UL, VDE-PZI

#### CUL

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
|-----------------------|-------|

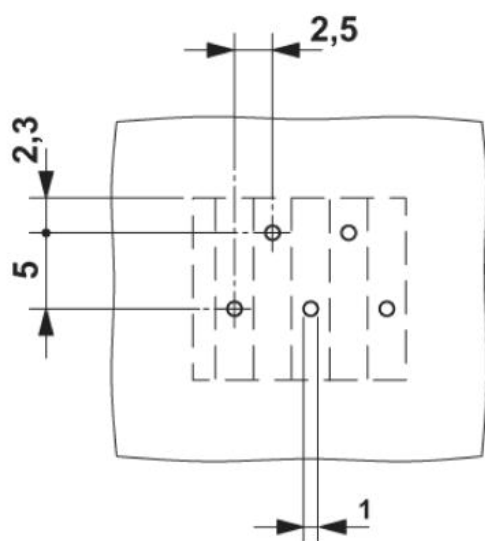
|                       |       |
|-----------------------|-------|
| Nominal current $I_N$ | 2 A   |
| AWG/kcmil             | 26-20 |

#### UL

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 2 A   |
| AWG/kcmil             | 26-20 |

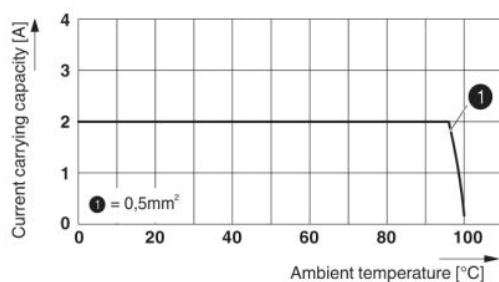
#### Diagrams/Drawings

##### Drilling plan/solder pad geometry



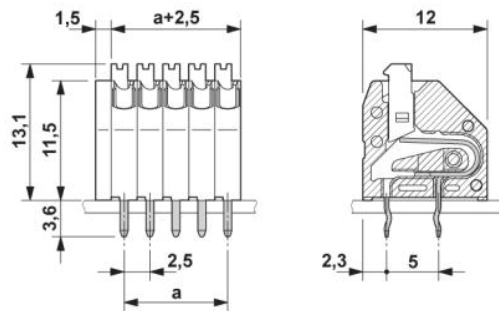
The illustration shows the 5-pos. version – Zig-zag pinning starts at the right-hand position. Other pinning available on request.

##### Diagram



Derating diagram for 5 pins; reduction factor=1

Dimensioned drawing



The illustration shows the 5-pos. version

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