

## Excellent Integrated System Limited

Stocking Distributor

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[Phoenix Contact](#)  
[1778874](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



Extract from the online  
catalog

## PTSM 0,5/ 6-P-2,5

Order No.: 1778874



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1778874>

Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V,  
Number of positions: 6, Pitch: 2.5 mm, Connection method: Spring-  
cage conn., Color: black, Metal surface: Sn

### Commercial data

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 046356 530088 |
| sales group              | E410                                                                                                   |
| Pack                     | 100 pcs.                                                                                               |
| Customs tariff           | 85369010                                                                                               |
| Catalog page information | Page 183 (NTK-2010)                                                                                    |

### Product notes

WEEE/RoHS-compliant since:  
09/17/2009



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

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**Technical data**

|                                     |                     |
|-------------------------------------|---------------------|
| Range of articles                   | PTSM 0,5/...-P      |
| 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)               | 160 V               |
| Rated voltage (II/2)                | 320 V               |
| Connection in acc. with standard    | EN-VDE              |
| Nominal current $I_N$               | 6 A                 |
| Nominal voltage $U_N$               | 100 V               |
| Nominal cross section               | 0.5 mm <sup>2</sup> |
| Maximum load current                | 6 A                 |
| Insulating material                 | PA                  |
| Inflammability class acc. to UL 94  | V0                  |
| Stripping length                    | 6 mm                |
| Nominal voltage, UL/CUL Use Group B | 150 V               |
| Nominal current, UL/CUL Use Group B | 5 A                 |

**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 stranded, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 24                   |
| Conductor cross section AWG/kcmil max                                      | 20                   |
| Minimum AWG according to UL/CUL                                            | 26                   |
| Maximum AWG according to UL/CUL                                            | 20                   |

**Certificates / Approvals**


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Certification

CUL, UL

## Accessories

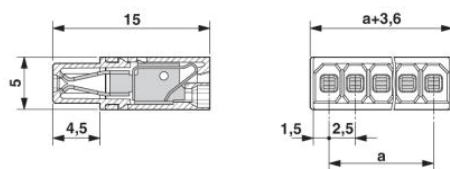
| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

### Tools

|         |             |                                                                                                        |
|---------|-------------|--------------------------------------------------------------------------------------------------------|
| 1205202 | SZS 0,4X2,0 | Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap |
|---------|-------------|--------------------------------------------------------------------------------------------------------|

## Diagrams/Drawings

Dimensioned drawing



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#### Address

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



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