

## Plug - PTSM 0,5/ 4-P-2,5 - 1778858

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 2.5 mm, Connection method: Push-in spring connection, Color: black, Contact surface: Tin

The illustration shows a 3-position version

### Product Features

- Can be plugged into THR and SMD base strips
- Miniature plug with 2.5 mm pitch



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 1.24 g   |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Poland   |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Length      | 15 mm   |
| Height      | 5 mm    |
| Pitch       | 2.50 mm |
| Dimension a | 7.5 mm  |

#### General

|                             |               |
|-----------------------------|---------------|
| 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        |

## Plug - PTSM 0,5/ 4-P-2,5 - 1778858

### Technical data

#### General

|  |                     |
|--|---------------------|
| Rated surge voltage (II/2)             | 2.5 kV              |
| Rated voltage (III/3)                  | 100 V               |
| Rated voltage (III/2)                  | 160 V               |
| Rated voltage (II/2)                   | 320 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current I <sub>N</sub>         | 6 A                 |
| Nominal cross section                  | 0.5 mm <sup>2</sup> |
| Maximum load current                   | 6 A                 |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 6 mm                |
| Number of positions                    | 4                   |

#### 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 flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 24                   |
| Conductor cross section AWG max.   | 20                   |
| Minimum AWG according to UL/CUL  | 26                   |
| Maximum AWG according to UL/CUL  | 20                   |

#### Standards and Regulations

|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CUL    |
| Flammability rating according to UL 94 | V0     |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |

# Plug - PTSM 0,5/ 4-P-2,5 - 1778858

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002637 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

|                                |       |
|--------------------------------|-------|
| UL Recognized                  |       |
|                                | B     |
| mm <sup>2</sup> /AWG/kcmil     | 26-20 |
| Nominal current I <sub>N</sub> | 5 A   |
| Nominal voltage U <sub>N</sub> | 150 V |

# Plug - PTSM 0,5/ 4-P-2,5 - 1778858

## Approvals

|                                |       |
|--------------------------------|-------|
| cUL Recognized                 |       |
|                                | B     |
| mm <sup>2</sup> /AWG/kcmil     | 26-20 |
| Nominal current I <sub>N</sub> | 5 A   |
| Nominal voltage U <sub>N</sub> | 150 V |

|     |
|-----|
| EAC |
|-----|

|     |
|-----|
| EAC |
|-----|

|                  |
|------------------|
| cULus Recognized |
|------------------|

## Accessories

### Accessories

#### Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

## Additional products

Base strip - PTSM 0,5/ 4-HV-2,5-THR R32 - 1778573



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 2.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering

# Plug - PTSM 0,5/ 4-P-2,5 - 1778858

## Accessories

Base strip - PTSM 0,5/ 4-HH-2,5-THR R32 - 1778641



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 2.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering

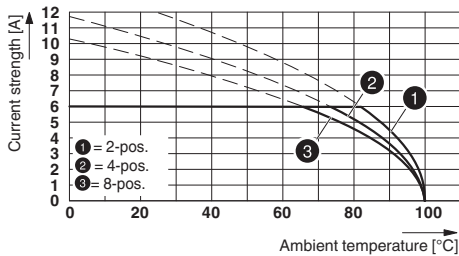
Base strip - PTSM 0,5/ 4-HH-2,5-SMD R32 - 1778780



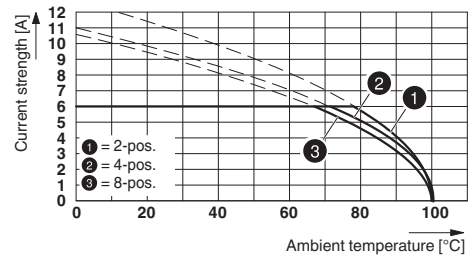
Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 4, Pitch: 2.5 mm, Color: black, Contact surface: Tin, Mounting: SMD soldering, Article with anti-rotation pin

## Drawings

Diagram



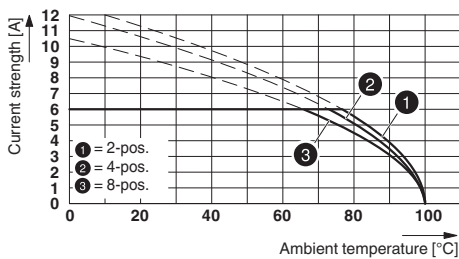
Diagram



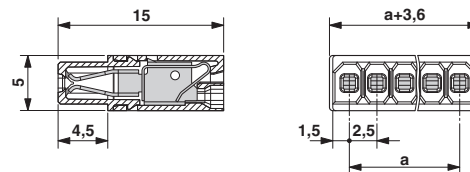
Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HV-2,5-THR R...

Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HH-2,5-THR R...

Diagram



Dimensional drawing



Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HH-2,5-SMD R...



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[1778858](#)