

## 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>)

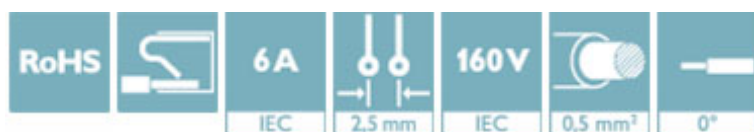


Plug component, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 2.5 mm, connection method: Push-in spring connection, Color: black, contact surface: Tin

The figure shows a 3-position version

### Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ High current carrying capacity of 6 A in very compact dimensions



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 250 STK                                                                                                 |
| GTIN                                 | <br>4 046356 530064 |
| GTIN                                 | 4046356530064                                                                                           |
| Weight per Piece (excluding packing) | 1.100 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Poland                                                                                                  |

### Technical data

#### Dimensions

|              |         |
|--------------|---------|
| Length [ l ] | 15 mm   |
| Width [ w ]  | 11.1 mm |
| Height [ h ] | 5 mm    |
| Pitch        | 2.5 mm  |
| Dimension a  | 7.5 mm  |

#### General

|                   |                  |
|-------------------|------------------|
| Range of articles | PTSM 0,5/...-P   |
| Type of contact   | Female connector |

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

### Technical data

#### General

|                                        |                           |
|----------------------------------------|---------------------------|
| Number of positions                    | 4                         |
| Connection method                      | Push-in spring connection |
| 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/3)                  | 100 V                     |
| Rated voltage (III/2)                  | 160 V                     |
| Rated voltage (II/2)                   | 320 V                     |
| Connection in acc. with standard       | EN-VDE                    |
| Nominal current $I_N$                  | 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                      |

#### 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     |

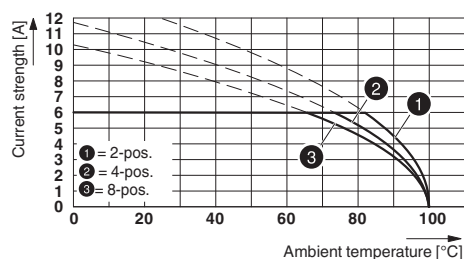
#### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

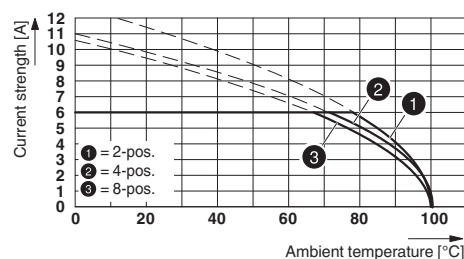
### Drawings

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

Diagram

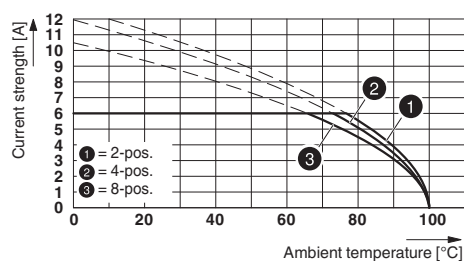


Diagram

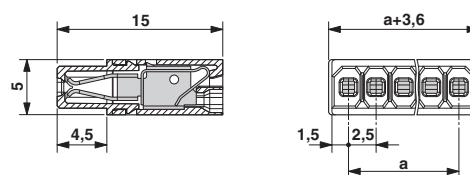


Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HV-2,5-THR R... Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HH-2,5-THR R..

Diagram



Dimensional drawing



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

### 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 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002638 |

#### UNSPSC

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

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

### Classifications

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121409 |
|-------------|----------|

### Approvals

#### Approvals

#### Approvals

UL Recognized / EAC / UL Recognized / cULus Recognized

#### Ex Approvals

### Approval details

|               |                                                                                     |                                                                                                                                                       |              |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| EAC |  | B.01742 |
|-----|-------------------------------------------------------------------------------------|---------|

|                                |                                                                                     |                                                                                                                                                       |                 |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| UL Recognized                  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-20130619 |
|                                |                                                                                     | B                                                                                                                                                     |                 |
| mm²/AWG/kcmil                  |                                                                                     | 26-18                                                                                                                                                 |                 |
| Nominal current I <sub>N</sub> |                                                                                     | 5 A                                                                                                                                                   |                 |
| Nominal voltage U <sub>N</sub> |                                                                                     | 150 V                                                                                                                                                 |                 |

|                                |                                                                                     |                                                                                                                                                       |                 |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| cULus Recognized               |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-20101209 |
|                                |                                                                                     | B                                                                                                                                                     |                 |
| mm²/AWG/kcmil                  |                                                                                     | 26-20                                                                                                                                                 |                 |
| Nominal current I <sub>N</sub> |                                                                                     | 5 A                                                                                                                                                   |                 |
| Nominal voltage U <sub>N</sub> |                                                                                     | 150 V                                                                                                                                                 |                 |

### Accessories

#### Accessories

#### Screwdriver tools

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

### Accessories

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

---

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