

## Plug - PTSM 0,5/ 2-PI-2,5 WH - 1709450

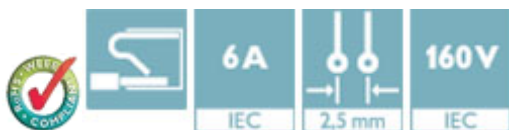
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Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 2.5 mm, Connection method: Push-in spring connection, Color: white, Contact surface: Tin

### Why buy this product

- White design: Stable color when welding and during use
- 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
- Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 250 pc  |
| GTIN                                 | <br>4 055626 130354 |
| Weight per Piece (excluding packing) | 0.61 g  |
| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Length      | 15.5 mm |
| Height      | 5 mm    |
| Width       | 6.7 mm  |
| Pitch       | 2.50 mm |
| Dimension a | 2.5 mm  |

#### General

|                     |                   |
|---------------------|-------------------|
| Range of articles   | PTSM 0,5/..-PI WH |
| Type of contact     | Male connector    |
| Number of positions | 2                 |

## Plug - PTSM 0,5/ 2-PI-2,5 WH - 1709450

### Technical data

#### General

|  |                           |
|--|---------------------------|
| Connection method                      | Push-in spring connection |
| Insulating material group              | I                         |
| Rated surge voltage (III/3)            | 1.5 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                   |

#### Standards and Regulations

|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
| 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 | 27141190 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

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## Classifications

### ETIM

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

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

cULus Recognized

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Ex Approvals

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Approvals submitted

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### Approval details

|                                |       |
|--------------------------------|-------|
| cULus 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 |

## Accessories

Accessories

Screwdriver tools

## Plug - PTSM 0,5/ 2-PI-2,5 WH - 1709450

### 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

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### Additional products

Plug - PTSM 0,5/ 2-P-2,5 WH - 1704853



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

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Base strip - PTSM 0,5/ 2-HHI-2,5-SMD WHR24 - 1707990



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

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Base strip - PTSM 0,5/ 2-HHI0-2,5-SMD WHR24 - 1815196



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

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Base strip - PTSM 0,5/ 2-HHI-2,5-THR WH R24 - 1814980



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

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## Accessories

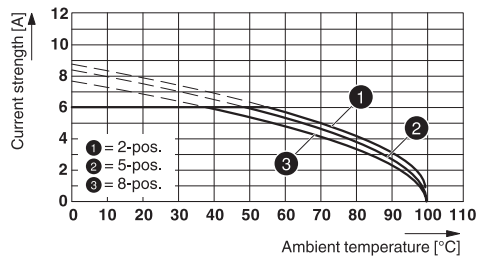
Plug - PTSM 0,5/ 2-PL-2,5 WH - 1709457



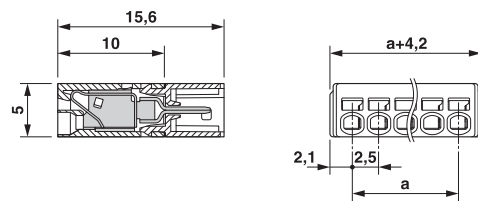
Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 2.5 mm, Connection method: Push-in spring connection, Color: white, Contact surface: Tin

## Drawings

Diagram



Dimensional drawing



Type: PTSM 0,5/...-PI-2,5 WH with PTSM 0,5/...-HHI0-2,5-SMD WHR...

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