

## Plug - PTSM 0,5/ 3-PI-2,5 WH - 1709451

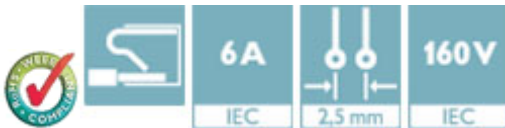
Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 3, 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
Minimum order quantity	250 pc
GTIN	 4 055626 130361
Weight per Piece (excluding packing)	0.84 g
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Length	15.5 mm
Height	5 mm
Width	9.2 mm
Pitch	2.50 mm
Dimension a	5 mm

#### General

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

# Plug - PTSM 0,5/ 3-PI-2,5 WH - 1709451

## Technical data

### General

Number of positions	3
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 <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

### 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

# Plug - PTSM 0,5/ 3-PI-2,5 WH - 1709451

## 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

---

#### Approvals

cULus Recognized

---

Ex Approvals

---

Approvals submitted

---

### 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/ 3-PI-2,5 WH - 1709451

### 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

Plug - PTSM 0,5/ 3-P-2,5 WH - 1704854



Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 2.5 mm, Connection method: Push-in spring connection, Color: white, Contact surface: Tin

---

Base strip - PTSM 0,5/ 3-HHI-2,5-SMD WHR44 - 1707992



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

---

Base strip - PTSM 0,5/ 3-HHI0-2,5-SMD WHR44 - 1815206



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 2.5 mm, Color: white, Contact surface: Tin, Mounting: SMD soldering

---

Base strip - PTSM 0,5/ 3-HHI-2,5-THR WH R32 - 1814993



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 2.5 mm, Color: white, Contact surface: Tin, Mounting: THR soldering

# Plug - PTSM 0,5/ 3-PI-2,5 WH - 1709451

## Accessories

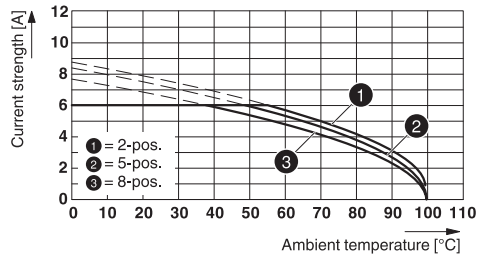
Plug - PTSM 0,5/ 3-PL-2,5 WH - 1709459



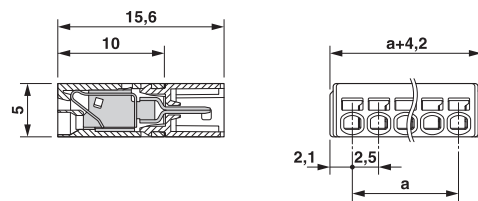
Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 2.5 mm, Connection method: Push-in spring connection, Color: white, Contact surface: Tin

## Drawings

Diagram



Dimensional drawing



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