

# Plug - PTSM 0,5/ 2-P-2,5 - 1778832

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://download.phoenixcontact.com>)



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

## Product Features

- Can be plugged into THR and SMD base strips
- Spring-cage and pierce contact technology
- Miniature plug with 2.5 mm pitch

## Key commercial data

package_quantity	250
GTIN	4046356530040

## Technical data

### Dimensions

Length	15 mm
Height	5 mm
Pitch	2.5 mm
Dimension a	2.5 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
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
Inflammability class according to UL 94	V0
Stripping length	6 mm

# Plug - PTSM 0,5/ 2-P-2,5 - 1778832

## Technical data

### General

<b>Number of positions</b>	2
----------------------------	---

### Connection data

<b>Conductor cross section solid min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	20
<b>Minimum AWG according to UL/CUL</b>	26
<b>Maximum AWG according to UL/CUL</b>	20

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	272607xx
<b>eCl@ss 4.1</b>	27260701
<b>eCl@ss 5.0</b>	27260701
<b>eCl@ss 5.1</b>	27260701
<b>eCl@ss 6.0</b>	27260704
<b>eCl@ss 7.0</b>	27440402
<b>eCl@ss 8.0</b>	27440402

### ETIM

<b>ETIM 3.0</b>	EC001121
<b>ETIM 4.0</b>	EC002638
<b>ETIM 5.0</b>	EC002637

### UNSPSC

<b>UNSPSC 6.01</b>	30211810
<b>UNSPSC 7.0901</b>	39121409
<b>UNSPSC 11</b>	39121409
<b>UNSPSC 12.01</b>	39121409
<b>UNSPSC 13.2</b>	39121409

## approvals

---

UL Recognized / cUL Recognized / GOST / GOST / UL Recognized / cULus Recognized /

---

# Plug - PTSM 0,5/ 2-P-2,5 - 1778832

approvals

Approval details

<b>UL Recognized</b>	
<b>Usegroups</b>	<b>B</b>
Nominal voltage UN	150 V
Nominal current IN	5 A
mm <sup>2</sup> /AWG/kcmil	26-20

<b>cUL Recognized</b>	
<b>Usegroups</b>	<b>B</b>
Nominal voltage UN	150 V
Nominal current IN	5 A
mm <sup>2</sup> /AWG/kcmil	26-20

<b>GOST</b>
-------------

--

<b>RU</b>	
<b>Usegroups</b>	<b>B</b>
Nominal voltage UN	150 V
Nominal current IN	5 A
mm <sup>2</sup> /AWG/kcmil	26-20

<b>cULus Recognized</b>	
-------------------------	--

accessories

Screwdriver tools

# Plug - PTSM 0,5/ 2-P-2,5 - 1778832

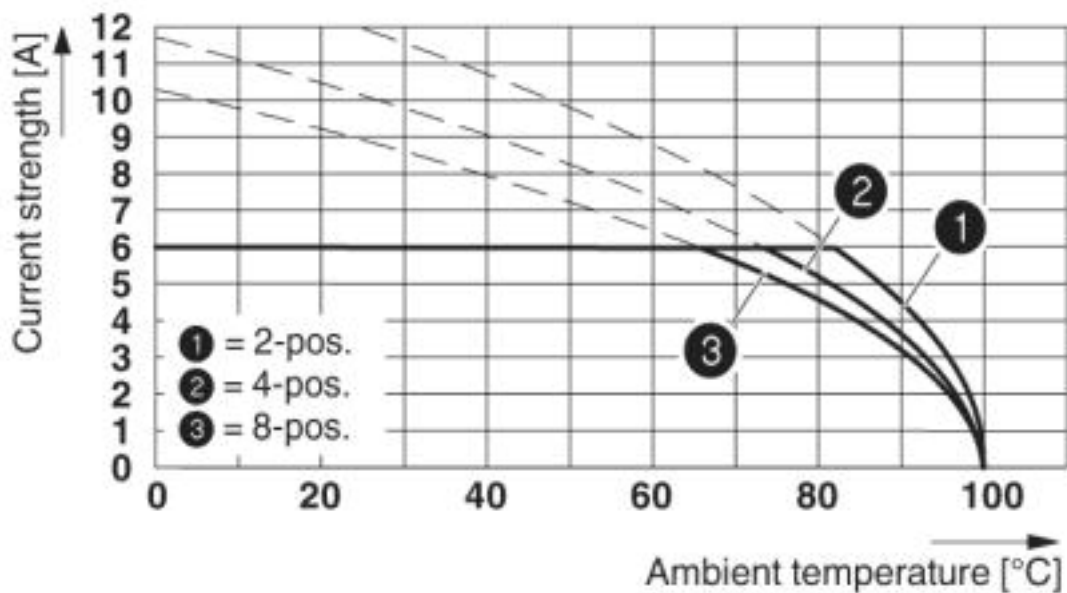
accessories

SZS 0,4X2,0 - 1205202



## Drawings

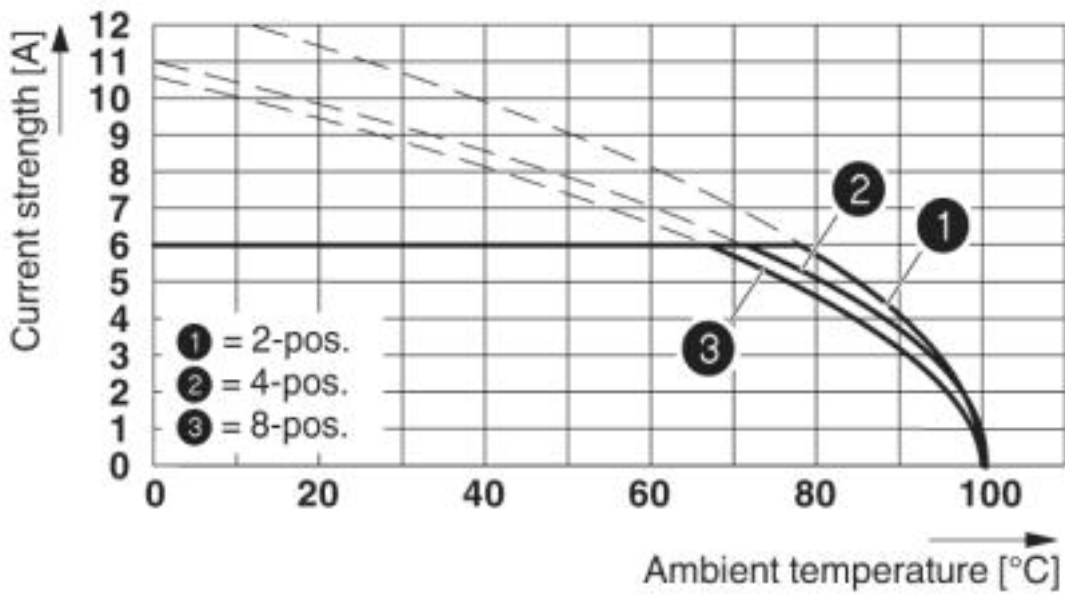
Diagram



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

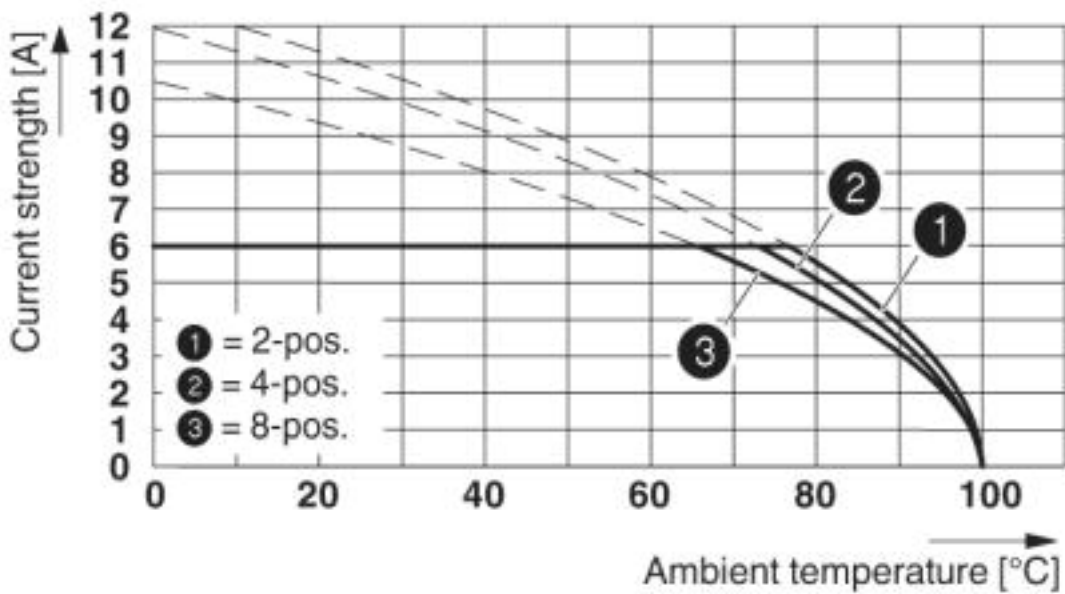
# Plug - PTSM 0,5/ 2-P-2,5 - 1778832

Diagram



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

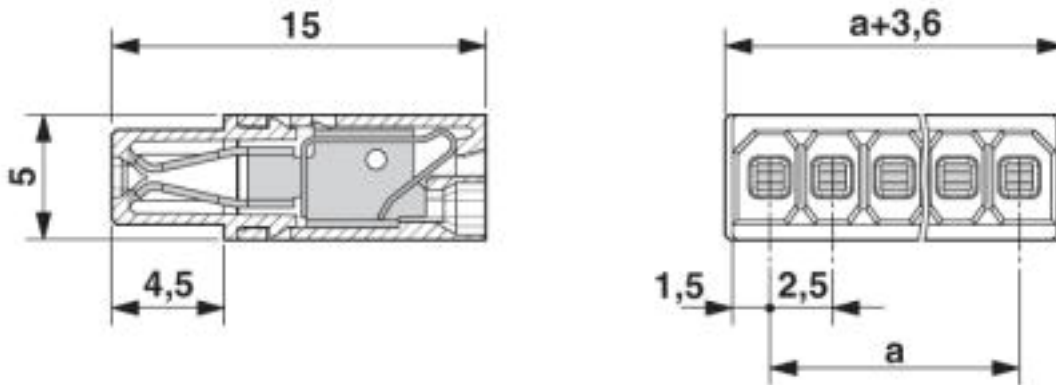
Diagram



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

# Plug - PTSM 0,5/ 2-P-2,5 - 1778832

Dimensioned drawing



© Phoenix Contact 2013 - all rights reserved  
<http://www.phoenixcontact.com>