

Plug - PTSM 0,5/ 5-P-2,5 - 1778861

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>)

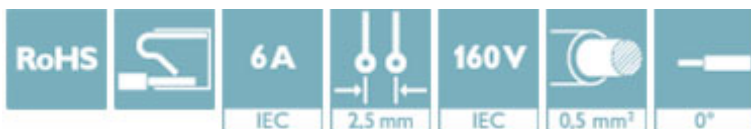


Plug component, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 5, pitch: 2.5 mm, connection method: Push-in spring connection, Color: black, contact surface: Tin

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	100 STK
GTIN	 4 046356 530071
GTIN	4046356530071
Weight per Piece (excluding packing)	1.440 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Length [l]	15 mm
Width [w]	13.6 mm
Height [h]	5 mm
Pitch	2.5 mm
Dimension a	10 mm

General

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

Plug - PTSM 0,5/ 5-P-2,5 - 1778861

Technical data

General

Number of positions	5
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 ²
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 ²
Conductor cross section solid max.	0.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm ²
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

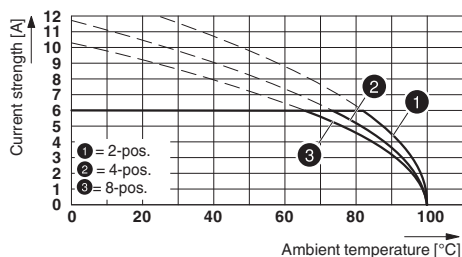
Environmental Product Compliance

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

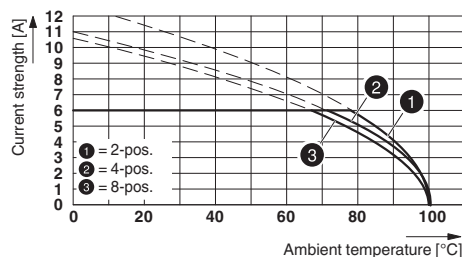
Drawings

Plug - PTSM 0,5/ 5-P-2,5 - 1778861

Diagram

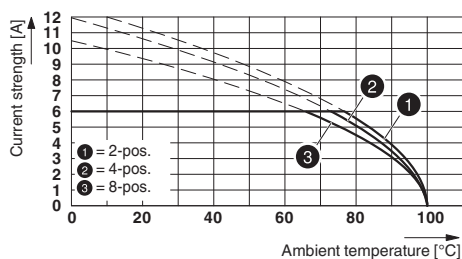


Diagram

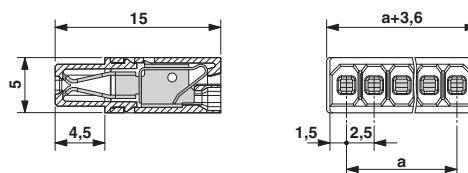


Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HV-2,5-THR R... Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HH-2,5-THR R..

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/ 5-P-2,5 - 1778861

Classifications

UNSPSC

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

Approvals

Approvals


Approvals


UL Recognized / EAC / UL Recognized / cULus Recognized


Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
---------------	---	---	--------------

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

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20130619
			B
mm ² /AWG/kcmil			26-18
Nominal current I _N			5 A
Nominal voltage U _N			150 V

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20101209
			B
mm ² /AWG/kcmil			26-20
Nominal current I _N			5 A
Nominal voltage U _N			150 V

Accessories

Accessories

Screwdriver tools

Plug - PTSM 0,5/ 5-P-2,5 - 1778861

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/ 5-HV-2,5-THR R32 - 1778586



Header, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 5, pitch: 2.5 mm, Color: black, contact surface: Tin, mounting: THR soldering

Base strip - PTSM 0,5/ 5-HH-2,5-THR R32 - 1778654



Header, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 5, pitch: 2.5 mm, Color: black, contact surface: Tin, mounting: THR soldering

Base strip - PTSM 0,5/ 5-HH-2,5-SMD R32 - 1778793



Header, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 5, pitch: 2.5 mm, Color: black, contact surface: Tin, mounting: SMD soldering, Article with anti-rotation pin

Base strip - PTSM 0,5/ 5-HHI-2,5-THR WH R32 - 1815015



Header, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 5, pitch: 2.5 mm, Color: white, contact surface: Tin, mounting: THR soldering