

## Printed-circuit board connector - 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>)



PCB connector, nominal current: 6 A, 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

### Your advantages

- ✓ 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	1 pc
Minimum order quantity	100 pc
GTIN	 4 046356 530071
GTIN	4046356530071
Weight per Piece (excluding packing)	1.400 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

# Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 - 1778861

## Technical data

### Dimensions

Dimension a	10 mm
-------------	-------

### General

Range of articles	PTSM 0,5/..-P
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 <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 flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.34 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

# Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 - 1778861

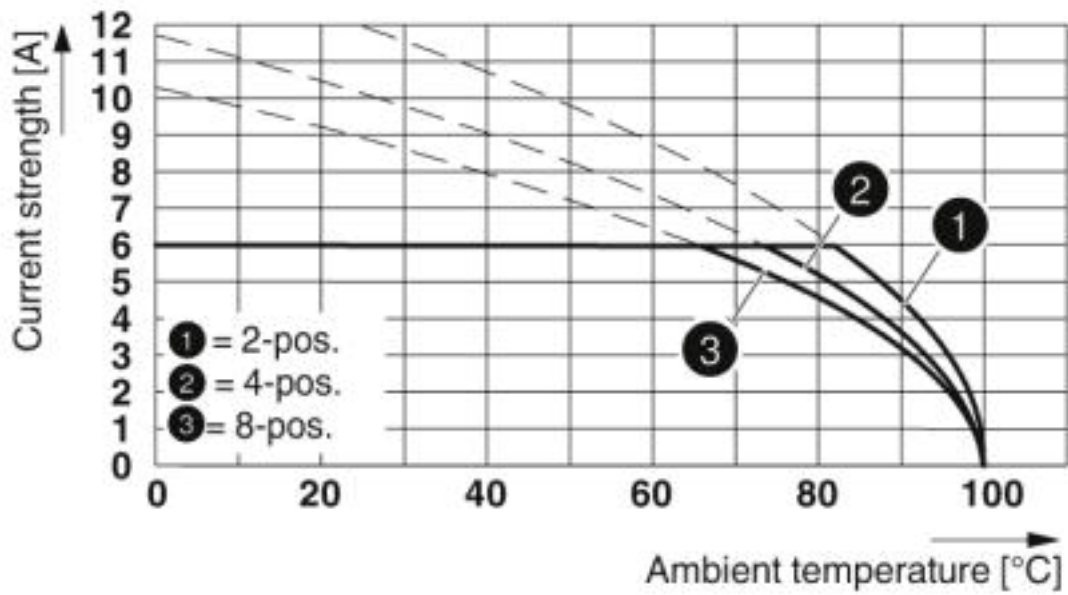
## Technical data

### Environmental Product Compliance

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

## Drawings

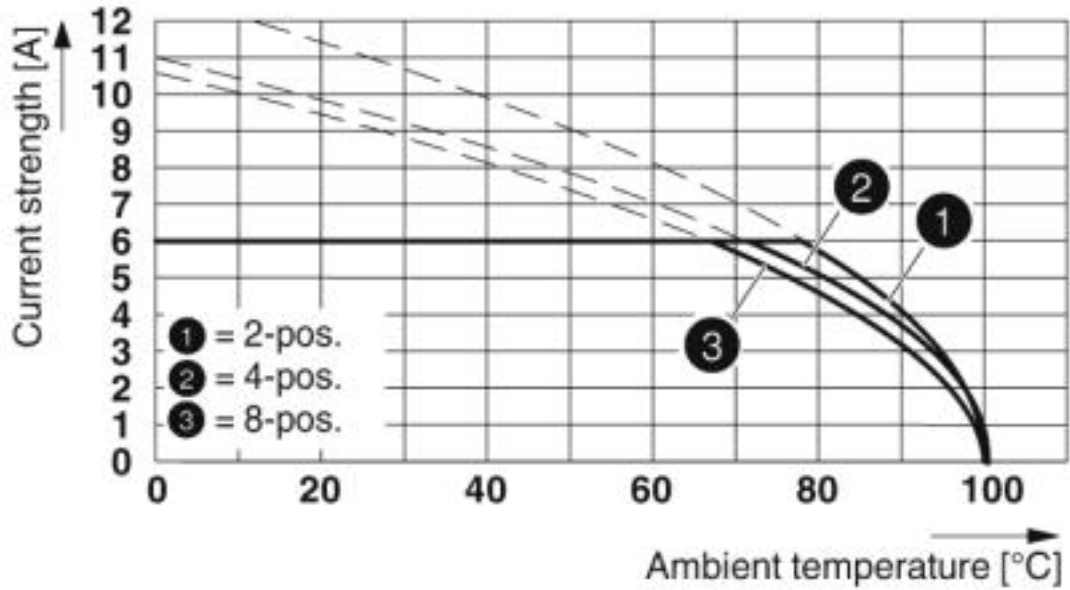
Diagram



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

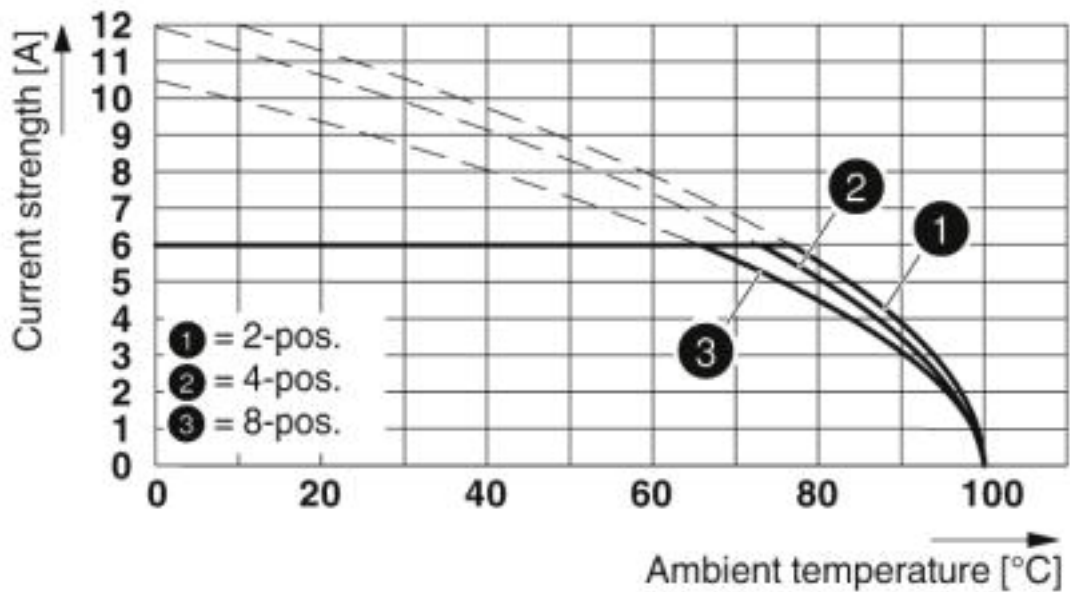
# Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 - 1778861

Diagram



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

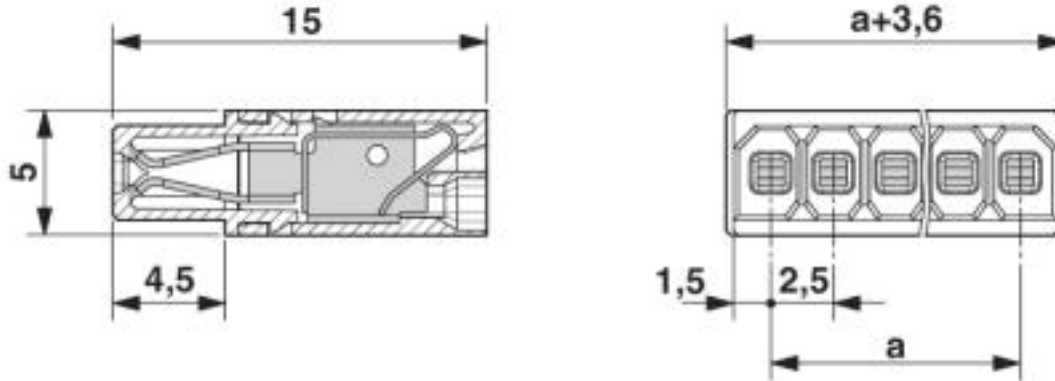
Diagram



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

# Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 - 1778861

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
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
ETIM 7.0	EC002638

UNSPSC

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

## Approvals

Approvals

# Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 - 1778861


## Approvals


### Approvals

UL Recognized / VDE Zeichengenehmigung / EAC / 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>	E118976-20130619
		B	
Nominal voltage UN	150 V		
Nominal current IN	5 A		
mm <sup>2</sup> /AWG/kcmil	26-18		

VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40048497
Nominal voltage UN	160 V		
Nominal current IN	6 A		
mm <sup>2</sup> /AWG/kcmil	0.14-.5		

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

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

## Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 - 1778861

### Accessories

#### Accessories

##### Cable end sleeve

Ferrule - AI 0,25- 6 BU - 3203040



Ferrule, sleeve length: 6 mm, length: 10.5 mm, color: blue

---

Ferrule - AI 0,25- 6 YE - 3203024



Ferrule, sleeve length: 6 mm, length: 10.5 mm, color: yellow

---

Ferrule - AI 0,34- 6 TQ - 3203053



Ferrule, sleeve length: 6 mm, length: 10.5 mm, color: turquoise

---

### Screwdriver tools

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

## Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 - 1778861

### Accessories

Printed-circuit board connector - PTSM 0,5/ 5-HV-2,5-THR R32 - 1778586



PCB headers, nominal current: 6 A, number of positions: 5, pitch: 2.5 mm, color: black, contact surface: Tin, mounting: THR soldering

---

Feed-through header - PTSM 0,5/ 5-HH-2,5-THR R32 - 1778654



PCB headers, nominal current: 6 A, number of positions: 5, pitch: 2.5 mm, color: black, contact surface: Tin, mounting: THR soldering

---

Feed-through header - PTSM 0,5/ 5-HH-2,5-SMD R32 - 1778793



PCB headers, nominal current: 6 A, number of positions: 5, pitch: 2.5 mm, color: black, contact surface: Tin, mounting: SMD soldering, Article with anti-rotation pin

---

Feed-through header - PTSM 0,5/ 5-HHI-2,5-THR WH R32 - 1815015



PCB headers, nominal current: 6 A, number of positions: 5, pitch: 2.5 mm, color: white, contact surface: Tin, mounting: THR soldering

---