

## Printed-circuit board connector - PTSM 0,5/ 3-PL-2,5 WH - 1709459

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PCB connector, 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


The figure shows a 3-pos. version of the product

### Your advantages

- ✓ 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
- ✓ Intuitive locking mechanism prevents accidental disconnection



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	250 pc
GTIN	 4 055626 130453
GTIN	4055626130453
Weight per Piece (excluding packing)	1.120 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	5.2 mm
Width [ w ]	13.96 mm
Height [ h ]	15 mm

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## Technical data

### Dimensions

Pitch	2.5 mm
Dimension a	5 mm

### General

Range of articles	PTSM 0,5/..-PL WH
Number of positions	3
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

### Standards and Regulations

Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

### Environmental Product Compliance

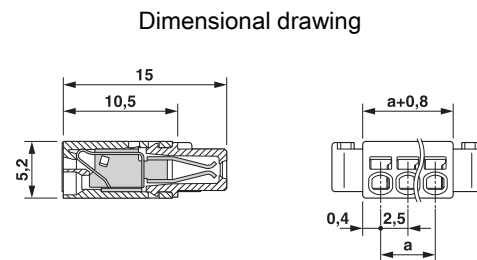
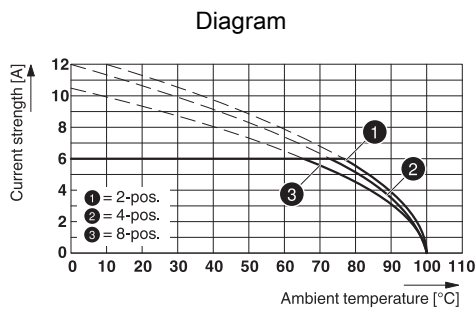
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## Technical data

### Environmental Product Compliance

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

## Drawings



Type: PTSM 0,5/...-PL-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	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	EC002638
ETIM 6.0	EC002638

### UNSPSC

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

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## Classifications

### UNSPSC

UNSPSC 13.2	39121409
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## Approvals


### Approvals


#### Approvals


cULus Recognized / UL Recognized / VDE approval of drawings

#### Ex Approvals

## Approval details

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

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 approval of drawings		<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			0.14-0.5

## Printed-circuit board connector - PTSM 0,5/ 3-PL-2,5 WH - 1709459

### Accessories

#### Accessories

#### Connector

#### Ferrule - AI 0,25- 6 BU - 3203040



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

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#### Ferrule - AI 0,25- 6 YE - 3203024



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

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#### Ferrule - AI 0,34- 6 TQ - 3203053



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

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### 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

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### Additional products

## Printed-circuit board connector - PTSM 0,5/ 3-PL-2,5 WH - 1709459

### Accessories

Feed-through header - PTSM 0,5/ 3-HH0-2,5-SMD WH R32 - 1814922



PCB headers, 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

Feed-through header - PTSM 0,5/ 3-HV-2,5-SMD WH R44 - 1778706



PCB headers, 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, Article with anti-rotation pin

Feed-through header - PTSM 0,5/ 3-HV0-2,5-SMD WH R44 - 1839208



PCB headers, 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

Feed-through header - PTSM 0,5/ 3-HTB-2,5-SMD WH R44 - 1830139



PCB headers, 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

Feed-through header - PTSM 0,5/ 3-HH-2,5-THR WH R32 - 1814854



PCB headers, 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

## Printed-circuit board connector - PTSM 0,5/ 3-PL-2,5 WH - 1709459

### Accessories

Feed-through header - PTSM 0,5/ 3-HV-2,5-THR WH R32 - 1815277



PCB headers, 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

Printed-circuit board connector - PTSM 0,5/ 3-PI-2,5 WH - 1709451



PCB connector, 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

Feed-through header - PTSM 0,5/ 3-HH-2,5-SMD WH R32 - 1708005



PCB headers, 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, Article with anti-rotation pin

Connector set - SAMPLE PTSM 0,5 PI/PL-3 SET - 1714623

, rated voltage (III/2): , nominal current (Ex): , nominal voltage (Ex): , number of positions: 3, pitch: 2.5 mm, : , color: white, mounting: ,