

## Sample set - SAMPLE PTSM 0,5/ 6-2,5-V-THR - 1701105

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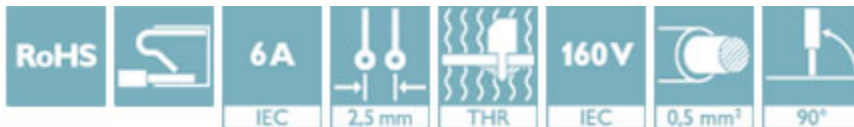


PCB terminal block, nominal current: 6 A, pitch: 2.5 mm, number of positions: 6, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 90 °, color: black. SAMPLE set with 5 items in belt section. When used as part of soldering process, please use items without SAMPLE marking


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
- ✓ Designed for integration into the SMT soldering process
- ✓ Vertical connection enables multi-row arrangement on the PCB



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	5 pc
GTIN	 4 046356 515214
GTIN	4046356515214
Weight per Piece (excluding packing)	0.200 g
Custom tariff number	85369010
Country of origin	India

### Technical data

#### Dimensions

Length [ l ]	7.1 mm
Pitch	2.5 mm
Dimension a	12.5 mm

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### Technical data

#### Dimensions

Width [ w ]	15.5 mm
Height	10 mm
Height [ h ]	10 mm
Solder pin [P]	2.1 mm
Pin spacing	2.5 mm
Hole diameter	1.2 mm

#### General

Range of articles	PTSM 0,5/...-V-THR
Insulating material group	IIIa
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)	63 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	200 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	LCP
Flammability rating according to UL 94	V0
Stripping length	6 mm
Number of positions	6

#### 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.	26
Conductor cross section AWG max.	20

#### Standards and Regulations

Connection in acc. with standard	EN-VDE
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#### Standards and Regulations

Flammability rating according to UL 94	V0
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#### Environmental Product Compliance

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

### Classifications

#### eCl@ss

eCl@ss 4.1	27141100
eCl@ss 5.1	27261100
eCl@ss 6.0	27261100
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643
ETIM 6.0	EC002643
ETIM 7.0	EC002643

#### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

### Approvals

#### Approvals

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Approvals

EAC

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### Approvals

Ex Approvals

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#### Approval details

EAC



B.01742

### Accessories

#### Accessories

##### 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

PCB terminal block - PTSM 0,5/ 6-2,5-V THR R44 - 1770995



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