

## PCB terminal block - PTSM 0,5/ 2-2,5-H THR R24 - 1770885

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PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 2, Connection method: Push-in spring connection, Mounting: THR soldering, Conductor/PCB connection direction: 0°, Color: black

The illustration shows the 3-pos. version

### Product Features

- ✓ 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



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	530 pc
Weight per Piece (excluding packing)	1.245 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	10 mm
Pitch	2.50 mm
Dimension a	2.5 mm
Length of the solder pin	2.1 mm
Pin dimensions	0,3 x 0,8 mm
Pin spacing	2.5 mm
Hole diameter	1.2 mm

#### General

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### Technical data

#### General

Range of articles	PTSM 0,5/..-H-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
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	6 mm
Number of positions	2

#### 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 AWG min.	24
Conductor cross section AWG max.	20

#### Standards and Regulations

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

#### Classifications

##### eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109

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## Classifications

### eCl@ss

eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002637

### UNSPSC

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

## Approvals

### Approvals

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Approvals

UL Recognized / UL Recognized / EAC

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Ex Approvals

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Approvals submitted

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### Approval details

UL Recognized 
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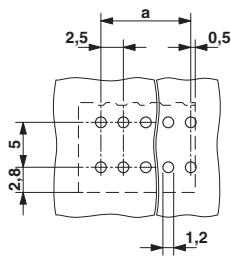
## Approvals

UL Recognized	
	B
mm <sup>2</sup> /AWG/kcmil	26-18
Nominal current I <sub>N</sub>	5 A
Nominal voltage U <sub>N</sub>	150 V

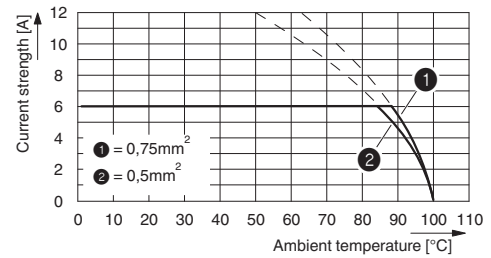
EAC
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## Drawings

Drilling diagram



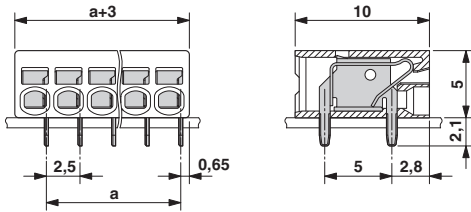
Diagram



Type: PTSM 0,5/...-2,5-H- THR R...  
 Tested in accordance with DIN EN 60512-5-2:2003-01  
 Reduction factor = 1  
 No. of positions: 5

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Dimensional drawing



Dimensional drawing

