

## PCB terminal block - PTSM 0,5/ 8-2,5-H THR R32 - 1770940

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PCB terminal block, nominal current: 6 A, nom. voltage: 160 V, pitch: 2.5 mm, number of positions: 8, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 0°, color: black

The figure shows the 3-pos. 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
- ✓ Designed for integration into the SMT soldering process



### Key Commercial Data

Packing unit	530 STK
Minimum order quantity	530 STK
GTIN	
GTIN	4046356459525

### Technical data

#### Dimensions

Length [ l ]	10 mm
Pitch	2.5 mm
Dimension a	17.5 mm
Width [ w ]	20.5 mm
Constructional height	5 mm
Height [ h ]	7.1 mm
Solder pin [P]	2.1 mm
Pin dimensions	0,3 X 0,8 mm
Pin spacing	5 mm
Hole diameter	1.2 mm

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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 <sub>N</sub>	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	8

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

### Standards and Regulations

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

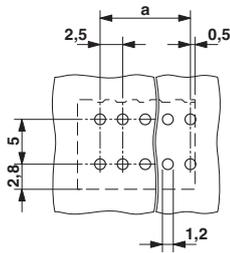
### Environmental Product Compliance

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

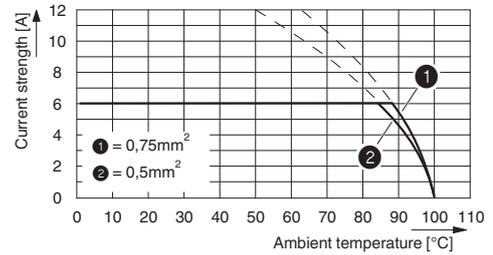
## Drawings

# PCB terminal block - PTSM 0,5/ 8-2,5-H THR R32 - 1770940

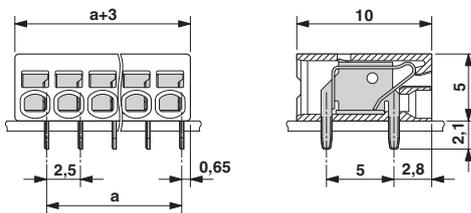
Drilling diagram



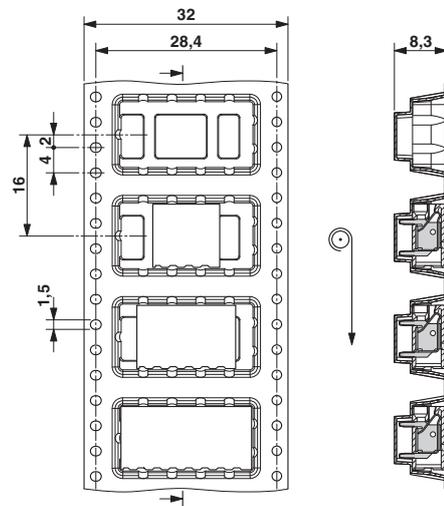
Diagram



Dimensional drawing



Dimensional drawing



## Approvals

Approvals

Approvals

UL Recognized / 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
mm²/AWG/kcmil		26-18
Nominal current IN		5 A

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## Approvals

	B
Nominal voltage UN	150 V

EAC		B.01742
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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> E60425-20030527
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	B
mm <sup>2</sup> /AWG/kcmil	26-20
Nominal current IN	5 A
Nominal voltage UN	150 V

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