

https://www.phoenixcontact.com/cn/products/1814566



## PCB terminal block - PTSM 0,5/ 2-2,5-V THR WH R44 - 1814566

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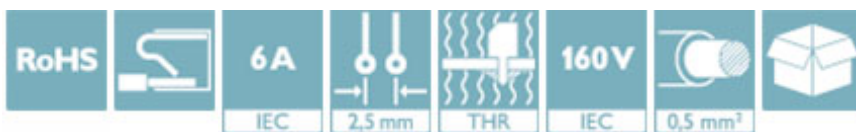


PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 2, Connection method: Push-in spring connection, Mounting: THR soldering, Conductor/PCB connection direction: 90 °, Color: white


The illustration shows a 3-position version

### Why buy this product

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



### Key Commercial Data

Packing unit	310 STK
Minimum order quantity	310 STK
GTIN	 4 046356 760317
GTIN	4046356760317
Sales Key	AACBBA

### Technical data

#### Dimensions

Length	5 mm
Pitch	2.5 mm
Dimension a	2.5 mm
Width	5.5 mm
Constructional height	10 mm
Height	12.1 mm
Length of the solder pin	2.1 mm

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### Technical data

#### Dimensions

Pin dimensions	0,3 x 0,8 mm
Pin spacing	2.5 mm
Hole diameter	1.2 mm

#### General

Range of articles	PTSM 0,5/..-V-THR WH
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)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	400 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	HT PA
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.	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

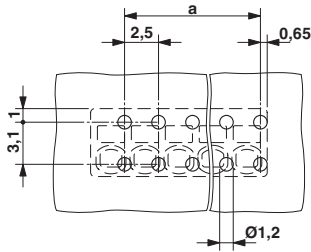
### Drawings

https://www.phoenixcontact.com/cn/products/1814566

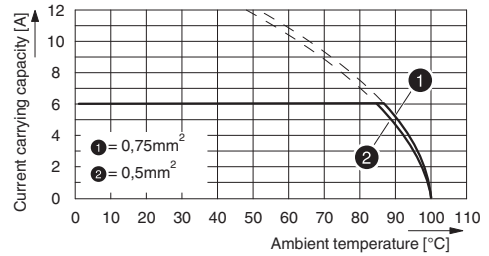


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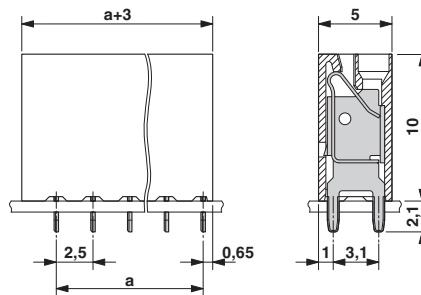
Drilling diagram



Diagram



Dimensional drawing



## Approvals

Approvals

Approvals

UL Recognized / UL Recognized / 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>	FILE E 60425
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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>	FILE E 60425
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### Approvals

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>	FILE E 118976
			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		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
			B
mm <sup>2</sup> /AWG/kcmil			26-20
Nominal current I <sub>N</sub>			5 A
Nominal voltage U <sub>N</sub>			150 V

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