

PCB terminal block - PTSM 0,5/ 3-2,5-V SMD R44 - 1771101

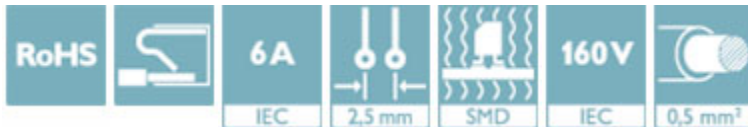
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PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 3, Connection method: Push-in spring connection, Mounting: SMD soldering, Conductor/PCB connection direction: 90 °, Color: black

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
- ✓ Vertical connection enables multi-row arrangement on the PCB
- ✓ Additional solder anchors reduce the mechanical strain on the soldering spots



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	400 STK
Weight per Piece (excluding packing)	2.150 g
Custom tariff number	85369010
Country of origin	India

Technical data

Dimensions

Length	5 mm
Pitch	2.50 mm
Dimension a	5 mm
Length of the solder pin	2 mm
Pin spacing	2.5 mm

General

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Technical data

General

Range of articles	PTSM 0,5/..-V-SMD
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)	32 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	160 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	6 A
Nominal cross section	0.5 mm ²
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	3

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	0.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm ²
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

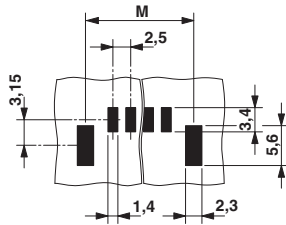
Environmental Product Compliance

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

Drawings

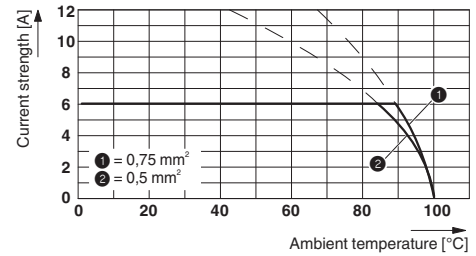
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Drilling diagram

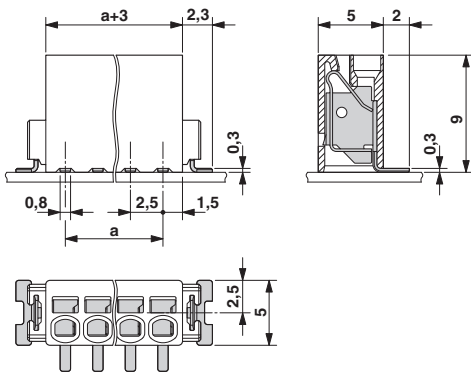


Dimension M: 10.9 mm

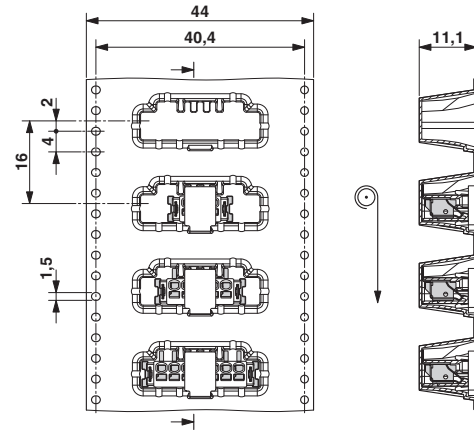
Diagram



Dimensional drawing



Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / UL Recognized / EAC


Ex Approvals

Approval details

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Approvals

UL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 60425

UL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 118976

	B
mm ² /AWG/kcmil	26-18
Nominal current I _N	5 A
Nominal voltage U _N	150 V

EAC B.01742