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

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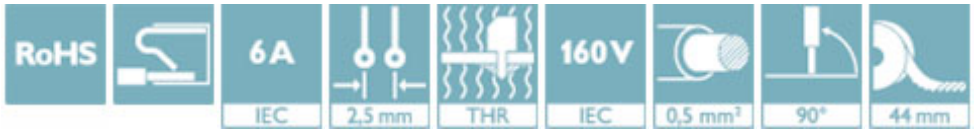
The figure shows a 3-position version

PCB terminal block, nominal current: 6 A, nom. voltage: 160 V, pitch: 2.5 mm, number of positions: 6, connection method: Push-in spring connection, mounting: THR 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



Key Commercial Data

Packing unit	310 pc
Minimum order quantity	310 pc
GTIN	4 046356 459570
GTIN	4046356459570

Technical data

Dimensions

Length [l]	5 mm
Pitch	2.5 mm
Dimension a	12.5 mm
Width [w]	15.5 mm
Constructional height	10 mm
Height [h]	12.1 mm
Solder pin [P]	2.1 mm
Pin dimensions	0,3 X 0,8 mm
Pin spacing	2.5 mm

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Technical data

Dimensions

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 mm²
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 mm²
Conductor cross section solid max.	0.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.34 mm²
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

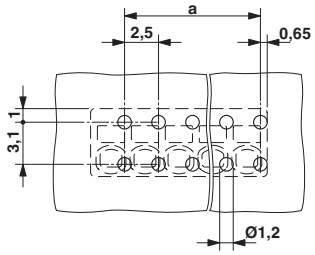
Environmental Product Compliance

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

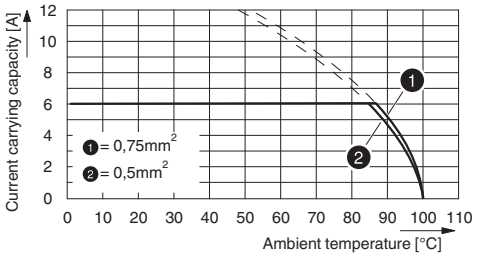
Drawings

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

Drilling diagram

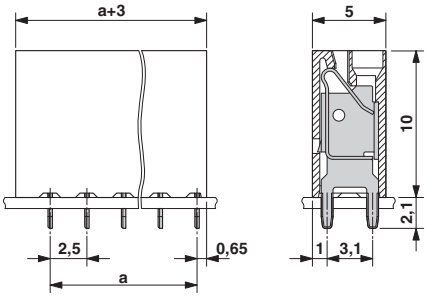


Diagram

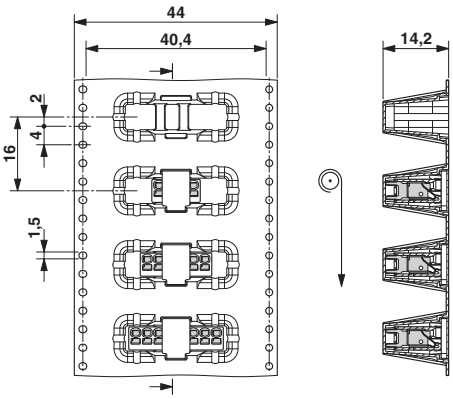


Type: PTSM 0,5/...-2,5-V THR R44
Tested according to DIN EN 60512-5-2:2003-01
Reduction factor = 1
Number of positions: 5

Dimensional drawing



Dimensional drawing



Approvals

Approvals

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UL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E118976-20130619

	B
Nominal voltage UN	150 V
Nominal current IN	5 A

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Approvals

	B
mm²/AWG/kcmil	26-18

EAC		B.01742

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20030527

	B
Nominal voltage UN	150 V
Nominal current IN	5 A
mm²/AWG/kcmil	26-20

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