

PCB terminal block - PTSM 0,5/ 2-2,5-V THR R44 - 1770953

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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: black

The illustration shows a 3-position 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
- Vertical connection enables multi-row arrangement on the PCB



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	310 STK
Weight per Piece (excluding packing)	2.19 g
Custom tariff number	85369010
Country of origin	India

Technical data

Environmental Product Compliance

China RoHS	No hazardous substances above threshold values
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Dimensions

Length	5 mm
Pitch	2.50 mm
Dimension a	2.5 mm

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Technical data

Dimensions

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

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 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	2

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

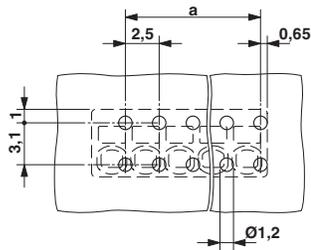
Standards and Regulations

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

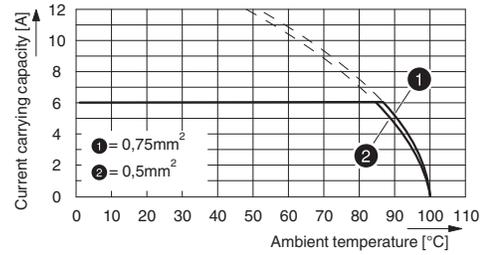
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Drawings

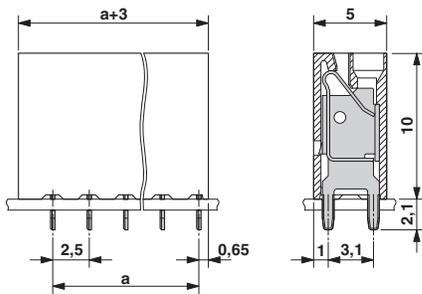
Drilling diagram



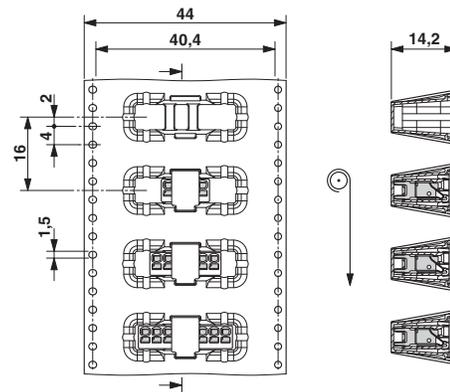
Diagram



Dimensional drawing



Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
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
eCl@ss 9.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002637

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Classifications

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / UL Recognized / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

UL Recognized 

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

EAC

EAC

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Accessories

Accessories

Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

Additional products

Sample set - SAMPLE PTSM 0,5/ 2-2,5-V-THR - 1701100



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