

PCB terminal block - SPT-THR 1,5/12-V-3,5 P20 R72 - 1823298

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The figure shows the 10-position version

PCB terminal block, nominal current: 13.5 A, nom. voltage: 160 V, pitch: 3.5 mm, number of positions: 12, connection method: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 90 °, color: black. Sample values available under SAMPLE SPT...

Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Intuitive use through colour coded actuation lever
- ✓ Designed for integration into the SMT soldering process
- ✓ Operation and conductor connection from one direction enable integration into front of device
- ✓ Quick and convenient testing using integrated test option
- ✓ Two solder pins reduce the mechanical strain on the soldering spots



Key Commercial Data

Packing unit	200 STK
Minimum order quantity	200 STK
GTIN	
GTIN	4046356815079

Technical data

Dimensions

Length [l]	7.7 mm
Pitch	3.5 mm
Dimension a	38.5 mm
Width [w]	42.5 mm
Constructional height	13.6 mm
Height [h]	15.6 mm
Solder pin [P]	2 mm

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Technical data

Dimensions

Pin dimensions	0,7 x 0,3 mm
Pin spacing	5.5 mm
Hole diameter	1.1 mm

General

Range of articles	SPT 1,5/..-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)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	13.5 A
Nominal cross section	1.5 mm ²
Insulating material	LCP
Flammability rating according to UL 94	V0
Stripping length	8 mm
Number of positions	12

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.2 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.2 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16

Standards and Regulations

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

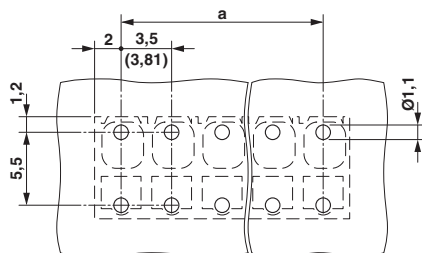
Environmental Product Compliance

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

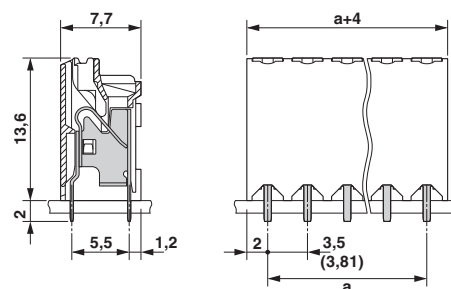
Drawings

PCB terminal block - SPT-THR 1,5/12-V-3,5 P20 R72 - 1823298

Drilling diagram



Dimensional drawing



Approvals

Approvals

Approvals

EAC / VDE approval of drawings / cULus Recognized / IECCEB Scheme

Ex Approvals

Approval details

EAC		B.01742
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VDE approval of drawings		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40046113
Nominal voltage UN	160 V		
Nominal current IN	13.5 A		
mm²/AWG/kcmil	0.2-1.5		

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20061129
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm²/AWG/kcmil	24-16	24-16	

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Approvals

IECEE CB Scheme			http://www.iecee.org/	DE1-60621
Nominal voltage UN		160 V		
Nominal current IN		13.5 A		
mm²/AWG/kcmil		0.2-1.5		

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