

PCB terminal block - SPT-SMD 1,5/ 6-V-3,81 R44 - 1824239

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The figure shows the 10-position version

PCB terminal block, nominal current: 13.5 A, nom. voltage: 160 V, pitch: 3.81 mm, number of positions: 6, connection method: Push-in spring connection, mounting: SMD 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 soldering spots per position reduce the mechanical strain on the soldering spots



Key Commercial Data

Packing unit	200 STK
Minimum order quantity	200 STK
GTIN	
GTIN	4046356816335

Technical data

Dimensions

Length [l]	7.7 mm
Pitch	3.81 mm
Dimension a	19.05 mm
Width [w]	23.05 mm
Constructional height	13.6 mm
Height [h]	13.6 mm
Pin dimensions	0,7 x 0,3

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Technical data

Dimensions

Pin spacing	7 mm
Hole diameter	1.1 mm

General

Range of articles	SPT 1,5/...-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)	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	6

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

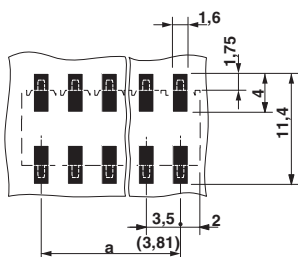
Environmental Product Compliance

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

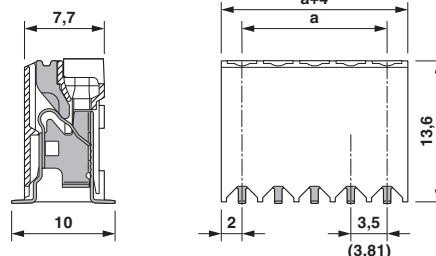
Drawings

PCB terminal block - SPT-SMD 1,5/ 6-V-3,81 R44 - 1824239

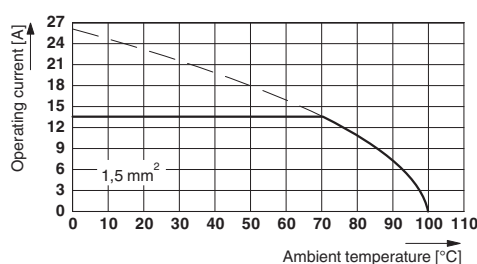
Drilling diagram



Dimensional drawing



Diagram



Type: SPT-SMD 1,5/...-V-3,5(3,81) R..

Tested in accordance with DIN EN 60512-5-2:2003-01

Reduction factor = 1

Number of positions: 5

Approvals

Approvals

Approvals

EAC / VDE approval of drawings / cULus Recognized / IECCE CB 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		

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Approvals

Nominal current I _N	13.5 A
mm ² /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 U _N	300 V	300 V	
Nominal current I _N	10 A	10 A	
mm ² /AWG/kcmil	24-16	24-16	

IECEE CB Scheme		http://www.iecee.org/	DE1-60621
Nominal voltage U _N	160 V		
Nominal current I _N	13.5 A		
mm ² /AWG/kcmil	0.2-1.5		

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>