

PCB terminal block - SPT 16/ 4-V-10,0-ZB - 1735891

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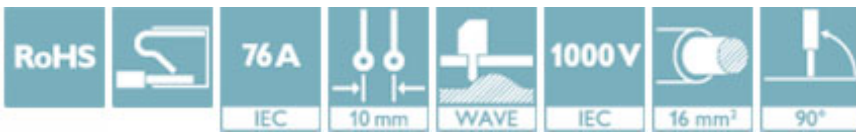


The figure shows a 5-position version


PCB terminal block, nominal current: 76 A, nom. voltage: 1000 V, pitch: 10 mm, number of positions: 4, connection method: Push-in spring connection, mounting: Wave soldering, color: green

Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Unrestricted 600-V-UL approval thanks to compact zig-zag pinning
- ✓ Vertical connection enables multi-row arrangement on the PCB



Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 179539
GTIN	4046356179539

Technical data

Dimensions

Length [l]	24.7 mm
Pitch	10 mm
Dimension a	30 mm
Width [w]	41.8 mm
Constructional height	31.3 mm
Height [h]	35.4 mm
Solder pin [P]	4.1 mm
Pin dimensions	1,2 x 1 mm
Pin spacing	15 mm
Hole diameter	1.7 mm

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Technical data

General

Range of articles	SPT 16/...-V
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	16 mm ²
Maximum load current	76 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	18 mm
Number of positions	4

Connection data

Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section flexible min.	0.75 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	4
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²

Standards and Regulations

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

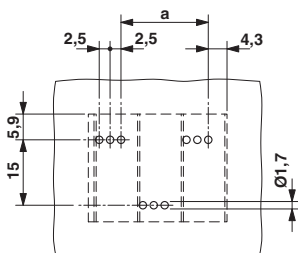
Environmental Product Compliance

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

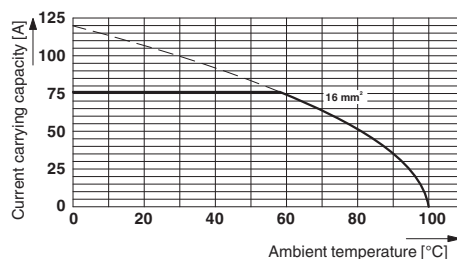
Drawings

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Drilling diagram

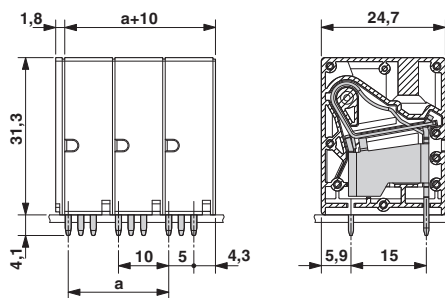


Diagram



Type: SPT 16/...-V-10,0-ZB
 Test based on DIN EN 60512-5-2:2003-01
 Reduction factor = 1
 Number of positions: 5

Dimensional drawing



Approvals

Approvals

Approvals

SEV / IECCEB CB Scheme / EAC / cULus Recognized


Ex Approvals

Approval details


SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3431
Nominal voltage UN	1000 V		
Nominal current IN	76 A		
mm ² /AWG/kcmil	16		

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Approvals

IECEE CB Scheme		http://www.iecee.org/	CH-8077
Nominal voltage UN	1000 V		
Nominal current IN	76 A		

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20061129
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	66 A	66 A	
mm ² /AWG/kcmil	20-4	20-4	

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