

PCB terminal block - SPT 16/ 1-V-10,0 - 1735862

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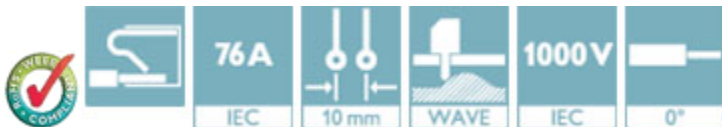


PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10 mm, Number of positions: 1, Connection method: Push-in spring connection, Mounting: Wave soldering, Color: green

The figure shows the standard item

Product Features

- Fast connection technology thanks to tool-free direct plug-in principle
- Conductor connection direction: horizontal (90° -H) to the PCB
- Unlimited 600 V UL approval thanks to compact zigzag pinning
- Single-position terminal blocks with double pinning
- SPT 16 Push-in spring-cage PCB terminal block for conductor cross sections up to 16 mm² and a current carrying capacity of 76 A



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	9.6 g
Custom tariff number	85369010
Country of origin	Bulgaria

Technical data

Dimensions

Pitch	10.00 mm
Dimension a	0 mm
Length of the solder pin	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
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	18 mm
Number of positions	1

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

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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	EC002643

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 / cUL Recognized / SEV / IECCEB Scheme / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized 			
	B	C	D
mm ² /AWG/kcmil	20-4	20-4	20-4
Nominal current I _N	66 A	66 A	10 A
Nominal voltage U _N	300 V	150 V	300 V

cUL Recognized 			
	B	C	D
mm ² /AWG/kcmil	20-4	20-4	20-4
Nominal current I _N	66 A	66 A	10 A
Nominal voltage U _N	300 V	150 V	300 V

SEV	
mm ² /AWG/kcmil	16
Nominal current I _N	76 A
Nominal voltage U _N	1000 V

IECEE CB Scheme 	
Nominal current I _N	76 A
Nominal voltage U _N	1000 V

EAC

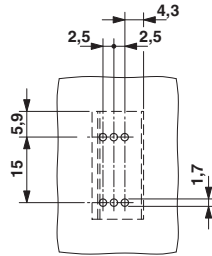
EAC

cULus Recognized 
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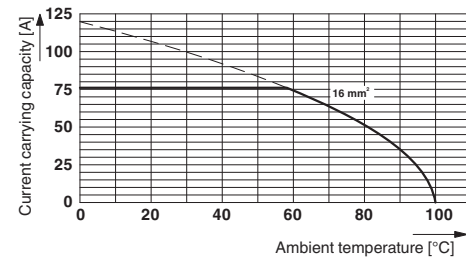
Drawings

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Drilling diagram

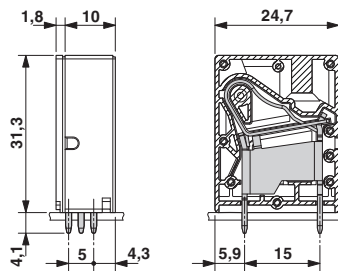


Diagram



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



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