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

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The illustration 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

- 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
- 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
- Single-position terminal blocks with double pinning

Key Commercial Data

Packing unit	50 STK
GTIN	4 046356 179539

Technical data

Dimensions

Pitch	10.00 mm
Dimension a	30 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

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

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Technical data

General

Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	16 mm²
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	4

Connection data

Conductor cross section solid min.	0.75 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section flexible min.	0.75 mm²
Conductor cross section flexible max.	16 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm²
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 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm²

Standards and Regulations

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

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

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Classifications

eCl@ss

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 / IECEE CB Scheme / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

	B	C
mm²/AWG/kcmil	20-4	20-4
Nominal current IN	66 A	66 A
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
mm²/AWG/kcmil	20-4	20-4

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Approvals

	B	C
Nominal current IN	66 A	66 A
Nominal voltage UN	600 V	600 V

SEV	
mm²/AWG/kcmil	16
Nominal current IN	76 A
Nominal voltage UN	1000 V

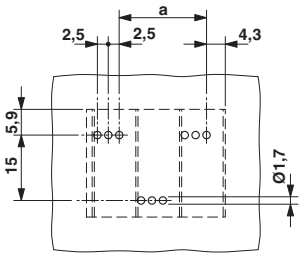
IECEE CB Scheme	
Nominal current IN	76 A
Nominal voltage UN	1000 V

EAC

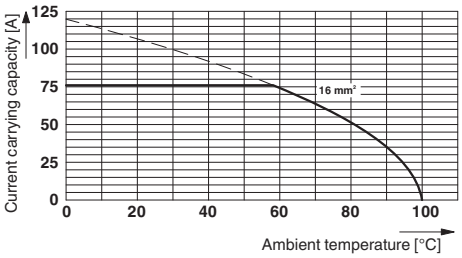
cULus Recognized

Drawings

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

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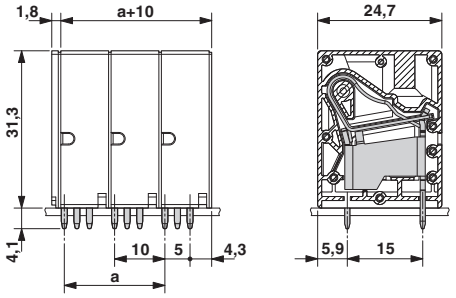
Dimensional drawing



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