

## PCB terminal block - SPT 16/ 2-H-10,0-ZB - 1735781

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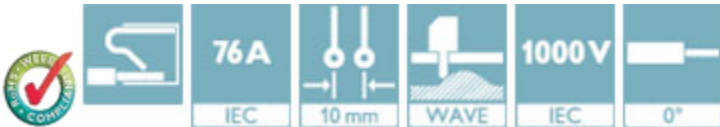


PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10 mm, Number of positions: 2, Connection method: Push-in spring connection, Mounting: Wave soldering, Color: green

The illustration shows the 5-position version of the product

### Product Features

- 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
- Operation and conductor connection from one direction enable integration into front of device



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	22.22 g
Custom tariff number	85369010
Country of origin	Bulgaria

### Technical data

#### Dimensions

Pitch	10.00 mm
Dimension a	10 mm
Length of the solder pin	4 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/...-H
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 <sup>2</sup>
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	2

### Connection data

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

### 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

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#### Approvals

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

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#### Ex Approvals

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Approvals submitted

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### Approval details

# PCB terminal block - SPT 16/ 2-H-10,0-ZB - 1735781

## Approvals

UL Recognized

	B	C
mm <sup>2</sup> /AWG/kcmil	20-4	20-4
Nominal current I <sub>N</sub>	66 A	66 A
Nominal voltage U <sub>N</sub>	600 V	600 V

cUL Recognized

	B	C
mm <sup>2</sup> /AWG/kcmil	20-4	20-4
Nominal current I <sub>N</sub>	66 A	66 A
Nominal voltage U <sub>N</sub>	600 V	600 V

SEV

mm <sup>2</sup> /AWG/kcmil	16
Nominal current I <sub>N</sub>	76 A
Nominal voltage U <sub>N</sub>	1000 V

EAC

IECEE CB Scheme

Nominal current I <sub>N</sub>	76 A
Nominal voltage U <sub>N</sub>	1000 V

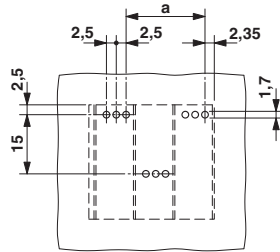
EAC

cULus Recognized

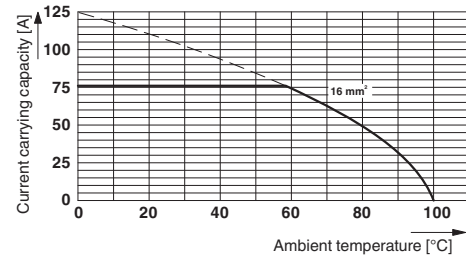
## Drawings

# PCB terminal block - SPT 16/ 2-H-10,0-ZB - 1735781

Drilling diagram



Diagram



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

Dimensional drawing

