

## PCB terminal block - SPT 16/ 1-H-10,0 - 1735778

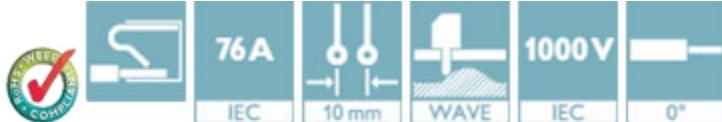
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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10 mm, Number of positions: 1, Connection method: Push-in spring connection, Mounting: Wave soldering, Color: green

### Product Features

- Conductor connection direction: horizontal (0° -H) to the PCB
- Unlimited 600 V UL approval thanks to compact zigzag pinning
- Terminal blocks that can be mounted side by side for color coding from position to position
- Single-position terminal blocks with double pinning
- SPT 16 Push-in spring-cage PCB terminal block for conductor cross sections up to 16 mm<sup>2</sup> 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 mm
Pin dimensions	1,2 x 1 mm
Pin spacing	15 mm
Hole diameter	1.7 mm

#### General

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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	1

### 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 / IEC66 CB Scheme / EAC / 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/ 1-H-10,0 - 1735778

### Approvals

UL Recognized 			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	20-4	20-4	20-4
Nominal current IN	66 A	66 A	10 A
Nominal voltage UN	300 V	150 V	300 V

cUL Recognized 			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	20-4	20-4	20-4
Nominal current IN	66 A	66 A	10 A
Nominal voltage UN	300 V	150 V	300 V

SEV	
mm <sup>2</sup> /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	
EAC	

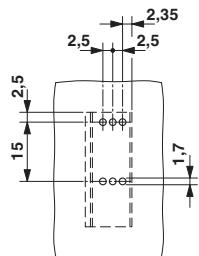
EAC	
EAC	

cULus Recognized 	
cULus Recognized	

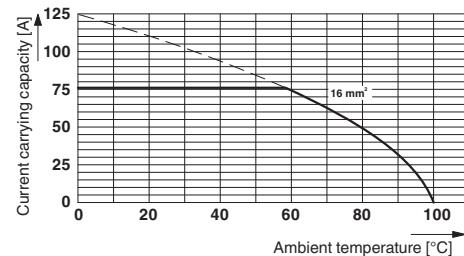
### Drawings

## PCB terminal block - SPT 16/ 1-H-10,0 - 1735778

Drilling diagram

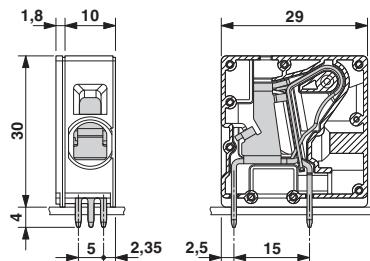


Diagram



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



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