

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10 mm, Number of positions: 1, Connection method: Spring-cage connection, Mounting: 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)	22.22 GRM
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Pitch	10 mm
Dimension a	0 mm
Pin dimensions	1,2 x 1 mm
Pin spacing	15 mm
Hole diameter	1.7 mm

#### General

Range of articles	SPT 16/..-H
Insulating material group	I

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

### Technical data

#### General

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
Inflammability class 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 stranded min.	0.75 mm <sup>2</sup>
Conductor cross section stranded max.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil 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>
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	4

### Classifications

eCl@ss

eCl@ss 4.0	27141109
------------	----------

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

## Classifications

### eCl@ss

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

### 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 / GOST / SEV / CCA / IECCEB Scheme / GOST / cULus Recognized

---

#### Ex Approvals

---


#### Approvals submitted

---


#### 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 I <sub>N</sub>	66 A	66 A	10 A
Nominal voltage U <sub>N</sub>	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 I <sub>N</sub>	66 A	66 A	10 A
Nominal voltage U <sub>N</sub>	300 V	150 V	300 V


GOST 

SEV

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

CCA

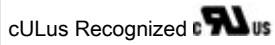
Nominal current I <sub>N</sub>	76 A
Nominal voltage U <sub>N</sub>	1000 V

IECEE CB Scheme 

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

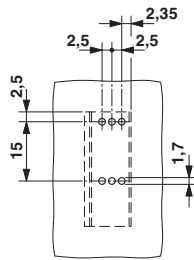
# PCB terminal block - SPT 16/ 1-H-10,0 - 1735778

## Approvals

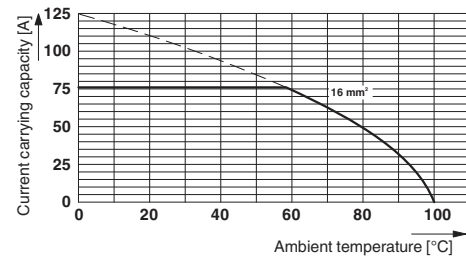


## Drawings

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

Dimensioned drawing

