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## PCB terminal block - SPT 16/ 9-H-10,0-ZB - 1735859

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10 mm, Number of positions: 9, Connection method: Spring-cage connection, Mounting: Soldering, Color: green



The illustration shows the 5-position version of the product

### 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                    | Bulgaria  |

### Technical data

#### Dimensions

|                |            |
|----------------|------------|
| Pitch          | 10 mm      |
| Dimension a    | 80 mm      |
| Pin dimensions | 1,2 x 1 mm |
| Pin spacing    | 15 mm      |
| Hole diameter  | 1.7 mm     |

#### General

|                   |              |
|-------------------|--------------|
| Range of articles | SPT 16/...-H |
|-------------------|--------------|

## PCB terminal block - SPT 16/ 9-H-10,0-ZB - 1735859

### Technical data

#### General

|   |                    |
|---|--------------------|
| 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                 |
| Inflammability class according to UL 94 | V0                 |
| Stripping length                        | 18 mm              |
| Number of positions                     | 9                  |

#### 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                    |

## PCB terminal block - SPT 16/ 9-H-10,0-ZB - 1735859

### 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 |

#### 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 / GOST / SEV / CCA / IECCEB Scheme / GOST / 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/ 9-H-10,0-ZB - 1735859


## 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 |


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

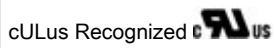
|                                |        |
|--------------------------------|--------|
| Nominal current I <sub>N</sub> | 76 A   |
| Nominal voltage U <sub>N</sub> | 1000 V |

IECEE CB Scheme 

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

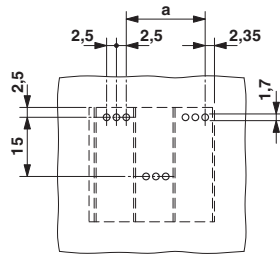
# PCB terminal block - SPT 16/ 9-H-10,0-ZB - 1735859

## Approvals

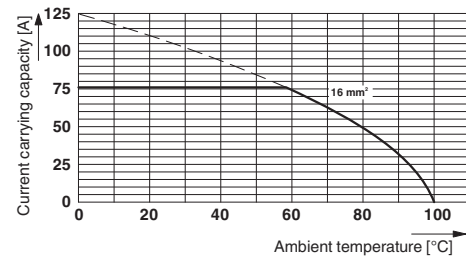


## Drawings

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

