

## 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: Spring-cage connection, Mounting: Soldering, Color: green

### Why buy this product

- 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                         | 50 pc   |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 046356 179416 |
| Weight per Piece (excluding packing) | 9.54 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Bulgaria  |

### 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           |
| Rated surge voltage (III/3) | 8 kV        |

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## Technical data

### General

|   |                    |
|---|--------------------|
| 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 <sub>N</sub>          | 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>    |

## 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 |

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## Classifications

eCl@ss

|            |          |
|------------|----------|
| 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 / SEV / CCA / IECCE CB Scheme / EAC / cULus Recognized

Ex Approvals

Approvals submitted

## Approval details

|                                |       |       |       |
|--------------------------------|-------|-------|-------|
| 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 |


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## Approvals


|                    | B     | C     | D     |
|--------------------|-------|-------|-------|
| 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 |

| CCA                |        |
|--------------------|--------|
| Nominal current IN | 76 A   |
| Nominal voltage UN | 1000 V |

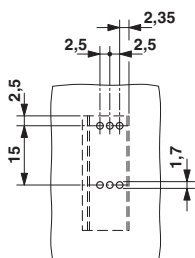
| IECEE CB Scheme  |        |
|---|--------|
| Nominal current IN  | 76 A   |
| Nominal voltage UN  | 1000 V |

| EAC |  |
|-----|--|
|-----|--|

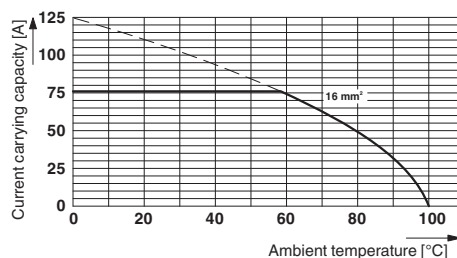
| cULus Recognized  |  |
|--|--|
|--|--|

## Drawings

Drilling diagram



Diagram



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

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Dimensioned drawing

