

**SPT 16/ 1-V-10,0**

Order No.: 1735862

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1735862>

PC terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch:  
10 mm, Number of positions: 1, Type of connection: Spring-cage  
conn., Assembly: Soldering, Color: green

**Commercial data**

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4046356179508      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.009226 KG        |
| Catalog page information | Page 341 (CC-2009) |

**Product notes**

WEEE/RoHS-compliant since:  
12/19/2006



[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
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**Technical data****Dimensions / positions**

|                     |            |
|---------------------|------------|
| Pitch               | 10 mm      |
| Number of positions | 1          |
| Pin dimensions      | 1,2 x 1 mm |
| Pin spacing         | 10 mm      |

|               |        |
|---------------|--------|
| Hole diameter | 1.7 mm |
|---------------|--------|

#### Technical data

|                                    |                    |
|------------------------------------|--------------------|
| 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/2)              | 1000 V             |
| Rated voltage (II/2)               | 1000 V             |
| Connection in acc. with standard   | EN-VDE             |
| Nominal current $I_N$              | 76 A               |
| Nominal voltage $U_N$              | 1000 V             |
| Nominal cross section              | 16 mm <sup>2</sup> |
| Maximum load current               | 76 A               |
| Insulating material                | PA                 |
| Inflammability class acc. to UL 94 | V0                 |
| Stripping length                   | 18 mm              |

#### 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>    |

## Certificates / Approvals



Certification

CUL, UL

### CUL

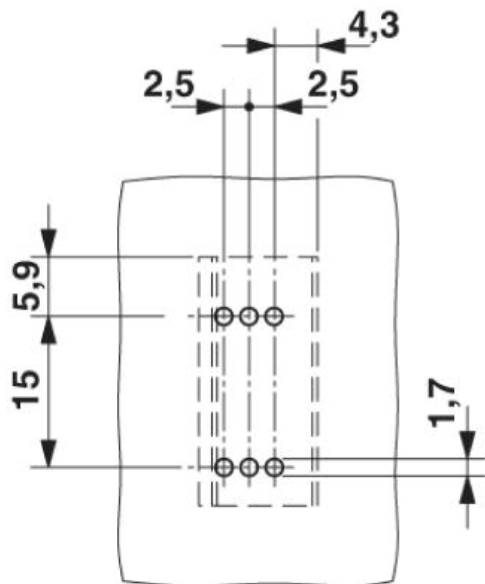
|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 20-4  |

### UL

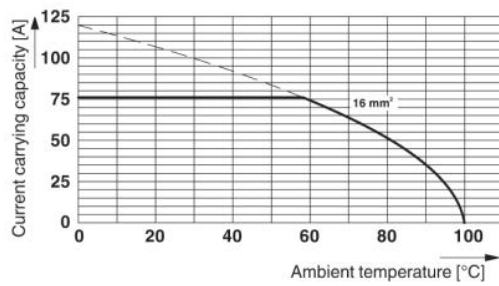
|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 20-4  |

## Diagrams/Drawings

Drilling plan/solder pad geometry



#### Diagram



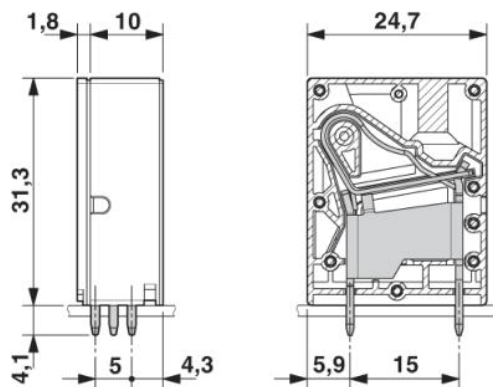
#### Type: SPT 16/...-V-10,0-ZB

Test based on DIN EN 60512-5-2:2003-01

Reduction factor = 1

Number of positions: 5

#### Dimensioned drawing



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