

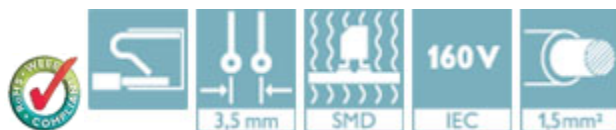
## PCB terminal block - SPT-SMD 1,5/ 6-V-3,5 R44 - 1824129

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The illustration shows the 10-position version

PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 160 V, Pitch: 3.5 mm, Number of positions: 6, Connection method: Push-in spring connection, Mounting: SMD soldering, Conductor/PCB connection direction: 90 °, Color: black, Sample values available under SAMPLE SPT...



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 200 pc   |
| Weight per Piece (excluding packing) | 5.0 g    |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                |           |
|----------------|-----------|
| Length         | 7.7 mm    |
| Pitch          | 3.50 mm   |
| Dimension a    | 17.5 mm   |
| Width          | 21.5 mm   |
| Height         | 13.6 mm   |
| Pin dimensions | 0,7 x 0,3 |
| Pin spacing    | 7 mm      |
| Hole diameter  | 1.1 mm    |

#### General

|                             |                  |
|-----------------------------|------------------|
| Range of articles           | SPT 1,5/..-V-SMD |
| Insulating material group   | IIIa             |
| Rated surge voltage (III/3) | 2.5 kV           |

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### Technical data

#### General

|                                        |                     |
|----------------------------------------|---------------------|
| Rated surge voltage (III/2)            | 2.5 kV              |
| Rated surge voltage (II/2)             | 2.5 kV              |
| Rated voltage (III/3)                  | 160 V               |
| Rated voltage (III/2)                  | 160 V               |
| Rated voltage (II/2)                   | 320 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 13.5 A              |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Insulating material                    | LCP                 |
| Solder pin surface                     | Sn                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 8 mm                |
| Number of positions                    | 6                   |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                         | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 0.75 mm <sup>2</sup> |
| Conductor cross section AWG min.                                           | 24                   |
| Conductor cross section AWG max.                                           | 16                   |

#### Standards and Regulations

|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
| Flammability rating according to UL 94 | V0     |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141111 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |

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### Classifications

#### eCl@ss

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

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                                                                                   |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                   | B     | D     |
| mm²/AWG/kcmil                                                                                     | 24-16 | 24-16 |
| Nominal current I <sub>N</sub>                                                                    | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                    | 300 V | 300 V |

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## Approvals

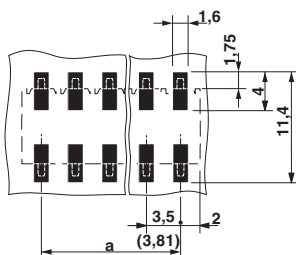
| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                  | B     | D     |
| mm²/AWG/kcmil                                                                                    | 24-16 | 24-16 |
| Nominal current I <sub>N</sub>                                                                   | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                   | 300 V | 300 V |

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

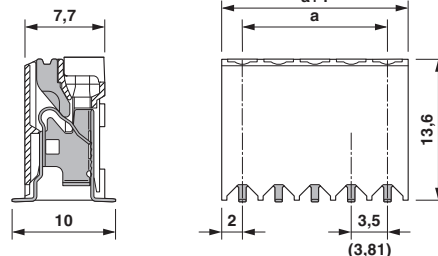
|                                                                                                       |
|-------------------------------------------------------------------------------------------------------|
| cULus Recognized  US |
|-------------------------------------------------------------------------------------------------------|

## Drawings

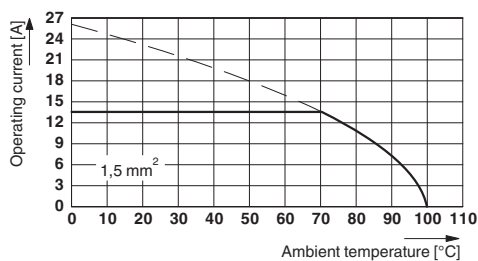
Drilling diagram



Dimensional drawing



Diagram



Type: SPT-SMD 1,5/...-V-3,5(3,81) R..

Tested in accordance with DIN EN 60512-5-2:2003-01

Reduction factor = 1

Number of positions: 5

