# PCB terminal block - SPT-SMD 1,5/ 2-V-5,0 R24 - 1824307

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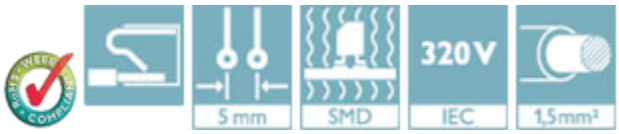
PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 320 V, Pitch: 5 mm, Number of positions: 2, Connection method: Push-in spring connection, Mounting: SMD soldering, Conductor/PCB connection direction: 90 °, Color: black, Sample values available under SAMPLE SPT...



The illustration shows the 10-position version

## Product Features

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Intuitive use through colour coded actuation lever
- Designed for integration into the SMT soldering process
- Operation and conductor connection from one direction enable integration into front of device
- Quick and convenient testing using integrated test option
- Two soldering spots per position reduce the mechanical strain on the soldering spots




## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 200 pc |
| Weight per Piece (excluding packing) | 3.0 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length | 7.7 mm |
| Pitch | 5.00 mm |
| Dimension a | 5 mm |
| Width | 9 mm |

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## Technical data

### Dimensions

| | |
|---|---|
| Height | 13.6 mm |
| Pin dimensions | 0,7 x 0,3 mm |
| 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) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 250 V |
| Rated voltage (III/2) | 320 V |
| Rated voltage (II/2) | 500 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 13.5 A |
| Nominal cross section | 1.5 mm² |
| Insulating material | LCP |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 8 mm |
| Number of positions | 2 |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 1.5 mm² |
| Conductor cross section flexible min. | 0.2 mm² |
| Conductor cross section flexible max. | 1.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.2 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.2 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.75 mm² |
| 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 |

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## 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 |
| 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

# PCB terminal block - SPT-SMD 1,5/ 2-V-5,0 R24 - 1824307

## Approvals

UL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 24-16 | 24-16 |
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

cUL Recognized

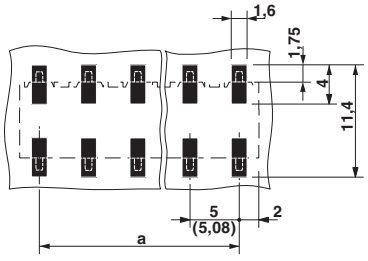
| | B | D |
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EAC

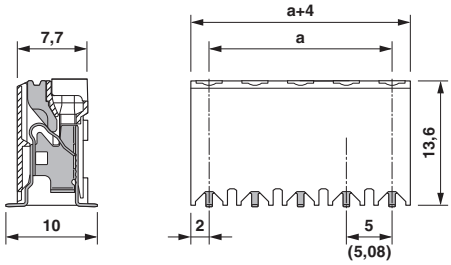
cULus Recognized

## Drawings

Drilling diagram

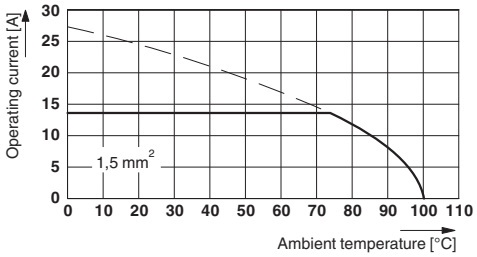



Dimensional drawing



# PCB terminal block - SPT-SMD 1,5/ 2-V-5,0 R24 - 1824307

Diagram




Type: SPT-SMD 1,5/...-V-5,0(5,08) R..
Tested in accordance with DIN EN 60512-5-2:2003-01
Reduction factor = 1
Number of positions: 5

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