

PCB terminal block - SPT 5/ 1-V-7,5 - 1719309

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PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 1, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green

Product Features

- Fast connection technology thanks to tool-free direct plug-in principle
- Conductor connection direction: vertical (90° -V) to the PCB
- Unlimited 600 V UL approval thanks to compact zigzag pinning
- SPT 5 Push-in spring-cage PCB terminal blocks for conductor cross sections up to 6 mm², stranded
- Single-position terminal block bases with double pin



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 4.99 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------------------|--------------|
| Pitch | 7.50 mm |
| Dimension a | 0 mm |
| Width | 9.3 mm |
| Constructional height | 14.4 mm |
| Height | 19 mm |
| Length of the solder pin | 4.6 mm |
| Pin dimensions | 1,7 x 0,8 mm |
| Pin spacing | 14 mm |
| Hole diameter | 2.1 mm |

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Technical data

General

| | |
|--|-------------------|
| Range of articles | SPT 5/...-V |
| Insulating material group | I |
| Rated surge voltage (III/3) | 6 kV |
| Rated surge voltage (III/2) | 6 kV |
| Rated surge voltage (II/2) | 6 kV |
| Rated voltage (III/3) | 630 V |
| Rated voltage (III/2) | 1000 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 41 A |
| Nominal cross section | 6 mm ² |
| Maximum load current | 41 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 15 mm |
| Number of positions | 1 |

Connection data

| | |
|---|----------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 10 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 6 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 6 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 4 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 8 |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm ² |

Standards and Regulations

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

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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

Approvals

UL Recognized / SEV / cUL Recognized / CCA / IECCE CB Scheme / cUL Recognized / EAC / cULus Recognized


Ex Approvals

Approvals submitted


Approval details

PCB terminal block - SPT 5/ 1-V-7,5 - 1719309


Approvals

| | | | |
|---|-------|-------|-------|
| UL Recognized  | | | |
| | B | C | D |
| mm ² /AWG/kcmil | 24-8 | 24-8 | 24-8 |
| Nominal current IN | 36 A | 36 A | 5 A |
| Nominal voltage UN | 300 V | 150 V | 600 V |

| | |
|----------------------------|-------|
| SEV | |
| | |
| mm ² /AWG/kcmil | 6 |
| Nominal current IN | 41 A |
| Nominal voltage UN | 450 V |

| | | | |
|--|-------|-------|-------|
| cUL Recognized  | | | |
| | B | C | D |
| mm ² /AWG/kcmil | 24-8 | 24-8 | 24-8 |
| Nominal current IN | 36 A | 36 A | 5 A |
| Nominal voltage UN | 300 V | 150 V | 600 V |

| | |
|----------------------------|-------|
| CCA | |
| | |
| mm ² /AWG/kcmil | 6 |
| Nominal current IN | 41 A |
| Nominal voltage UN | 450 V |

| | |
|---|-------|
| IECEE CB Scheme  | |
| | |
| mm ² /AWG/kcmil | 6 |
| Nominal current IN | 41 A |
| Nominal voltage UN | 450 V |

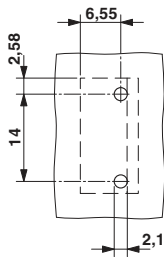
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Approvals

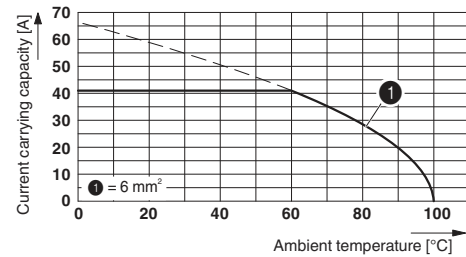
| | | | |
|--------------------------------|-------|-------|-------|
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| mm ² /AWG/kcmil | 24-8 | 24-8 | 24-8 |
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| EAC | | | |
| cULus Recognized | | | |

Drawings

Drilling diagram



Diagram



Type: SPT 5/...-V-7,5-ZB
 Test based on DIN EN 60512-5-2:2003-01
 Reduction factor = 1

Dimensional drawing

