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# PCB terminal block - SMKDSN 1,5/ 6 - 1869101

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PC terminal block, Nominal current: 13.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 6, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 55 °, Color: green




The figure shows a 10-position version of the product

## Why buy this product

- Arrangement of several rows of terminal blocks one behind the other – multi-level effect with the same design height
- PCB terminal blocks with compact housing dimensions and low design height
- Conductor and screwdriver axis at an angle of 55° to the usual direction
- Conductor cross sections up to 1.5 mm<sup>2</sup>



## Key commercial data

|                        |   |
|------------------------|---|
| Packing unit           | 1   |
| Minimum order quantity | 50  |
| Catalog page           | Page 83 (CC-2011)   |
| GTIN                   | <br>4 017918 149079 |
| Custom tariff number   | 85369010  |
| Country of origin      | GERMANY   |

## Technical data

### Dimensions / positions

|                        |            |
|------------------------|------------|
| Length                 | 12 mm      |
| Pitch                  | 5 mm       |
| Dimension a            | 25 mm      |
| Number of positions    | 6          |
| Pin dimensions         | 0,5 x 1 mm |
| Hole diameter          | 1.3 mm     |
| Screw thread           | M3         |
| Tightening torque, min | 0.5 Nm     |
| Tightening torque max  | 0.6 Nm     |

### Technical data

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## Technical data

### Technical data

|   |                     |
|---|---------------------|
| Range of articles                       | SMKDSN 1,5          |
| Insulating material group               | I                   |
| 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)                   | 400 V               |
| Rated voltage (II/2)                    | 630 V               |
| Connection in acc. with standard        | EN-VDE              |
| Nominal current IN                      | 13.5 A              |
| Nominal cross section                   | 1.5 mm <sup>2</sup> |
| Maximum load current                    | 13.5 A              |
| Insulating material                     | PA                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A 1                 |
| Stripping length                        | 6 mm                |
| Nominal voltage, UL/CUL Use Group B     | 300 V               |
| Nominal current, UL/CUL Use Group B     | 10 A                |
| Nominal voltage, UL/CUL Use Group D     | 300 V               |
| Nominal current, UL/CUL Use Group D     | 10 A                |

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.  | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve min.            | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.            | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.               | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.               | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.  | 26                   |
| Conductor cross section AWG/kcmil max   | 16                   |
| 2 conductors with same cross section, solid min.                                      | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                      | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                   | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                   | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.5 mm <sup>2</sup>  |

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## Technical data

### Connection data

|   |                     |
|---|---------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup>   |
| Minimum AWG according to UL/CUL   | 30                  |
| Maximum AWG according to UL/CUL   | 14                  |

## Classifications

### eclass

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

### 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

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / IECEE CB Scheme / GOST / cULus Recognized

#### Ex Approvals


#### Approvals submitted


### Approval details




# PCB terminal block - SMKDSN 1,5/ 6 - 1869101

## Approvals

|   |       |       |
|---|-------|-------|
| CSA  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 28-14 | 28-14 |
| Nominal current I <sub>N</sub>  | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>  | 150 V | 300 V |

|   |       |       |   |
|---|-------|-------|---|
| UL Recognized  |       |       |   |
|   |       | B     | D |
| mm <sup>2</sup> /AWG/kcmil  | 18    | 18    |   |
| Nominal current I <sub>N</sub>  | 10 A  | 10 A  |   |
| Nominal voltage U <sub>N</sub>  | 300 V | 300 V |   |

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 1.5   |
| Nominal voltage U <sub>N</sub> | 250 V |

|  |       |       |   |
|--|-------|-------|---|
| cUL Recognized  |       |       |   |
|  |       | B     | D |
| mm <sup>2</sup> /AWG/kcmil   | 18    | 18    |   |
| Nominal current I <sub>N</sub>   | 10 A  | 10 A  |   |
| Nominal voltage U <sub>N</sub>   | 300 V | 300 V |   |

|  |
|--|
| GOST  |
|--|

|     |
|-----|
| CCA |
|-----|

|                 |
|-----------------|
| IECEE CB Scheme |
|-----------------|

|  |
|--|
| GOST  |
|--|

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## Approvals

cULus Recognized

## Accessories

### Accessories

### Marking

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker cards, Card, white, Labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5 mm

Marker cards - SK 5/3,8:UNBEDRUCKT - 0805409



Marker cards, Card, white, Unlabeled, Can be labeled with: Thermomark R, Thermomark X, Thermomark S, Mounting type: Adhesive, For terminal block width: 5 mm

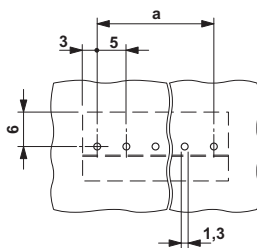
Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

## Drawings

### Drilling diagram



### Dimensioned drawing

