

## PCB terminal block - SMKDSN 1,5/16-5,08 - 1869350

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 16, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 55 °, Color: green

The figure shows a 10-position version of the product

### Product Features

- ✓ 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

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918149321 |

### Technical data

#### Dimensions

|                |            |
|----------------|------------|
| Length         | 12 mm      |
| Pitch          | 5.08 mm    |
| Dimension a    | 76.2 mm    |
| Pin dimensions | 0,5 x 1 mm |
| Hole diameter  | 1.3 mm     |

#### General

|                                  |                     |
|----------------------------------|---------------------|
| 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 I <sub>N</sub>   | 13.5 A              |
| Nominal cross section            | 1.5 mm <sup>2</sup> |
| Maximum load current             | 13.5 A              |

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## Technical data

### General

|                                         |        |
|-----------------------------------------|--------|
| Insulating material                     | PA     |
| Solder pin surface                      | Sn     |
| Inflammability class according to UL 94 | V0     |
| Internal cylindrical gage               | A 1    |
| Stripping length                        | 6 mm   |
| Number of positions                     | 16     |
| Screw thread                            | M3     |
| Tightening torque, min                  | 0.5 Nm |
| Tightening torque max                   | 0.6 Nm |

### 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>  |
| 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

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |

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## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 5.0</b> | 27141190 |
| <b>eCl@ss 5.1</b> | 27141190 |
| <b>eCl@ss 6.0</b> | 27261101 |
| <b>eCl@ss 7.0</b> | 27440401 |
| <b>eCl@ss 8.0</b> | 27440401 |

### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 3.0</b> | EC001121 |
| <b>ETIM 4.0</b> | EC002643 |
| <b>ETIM 5.0</b> | EC002643 |

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211801 |
| <b>UNSPSC 7.0901</b> | 39121432 |
| <b>UNSPSC 11</b>     | 39121432 |
| <b>UNSPSC 12.01</b>  | 39121432 |
| <b>UNSPSC 13.2</b>   | 39121432 |

## approvals

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

### Approval details

| CSA  |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                               | B     | D     |
| Nominal voltage UN                                                                      | 150 V | 300 V |
| Nominal current IN                                                                      | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                           | 28-14 | 28-14 |

| UL Recognized  |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                         | B     | D     |
| Nominal voltage UN                                                                                | 300 V | 300 V |
| Nominal current IN                                                                                | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                                     | 30-14 | 30-14 |

|            |
|------------|
| <b>SEV</b> |
|------------|

## PCB terminal block - SMKDSN 1,5/16-5,08 - 1869350

### approvals

|                    |       |
|--------------------|-------|
|                    |       |
| Nominal voltage UN | 250 V |
| Nominal current IN |       |
| mm²/AWG/kcmil      | 1.5   |

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                        | B     | D     |
| Nominal voltage UN                                                                               | 300 V | 300 V |
| Nominal current IN                                                                               | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                                    | 30-14 | 30-14 |

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

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

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

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

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

### accessories

#### Labeled terminal marker

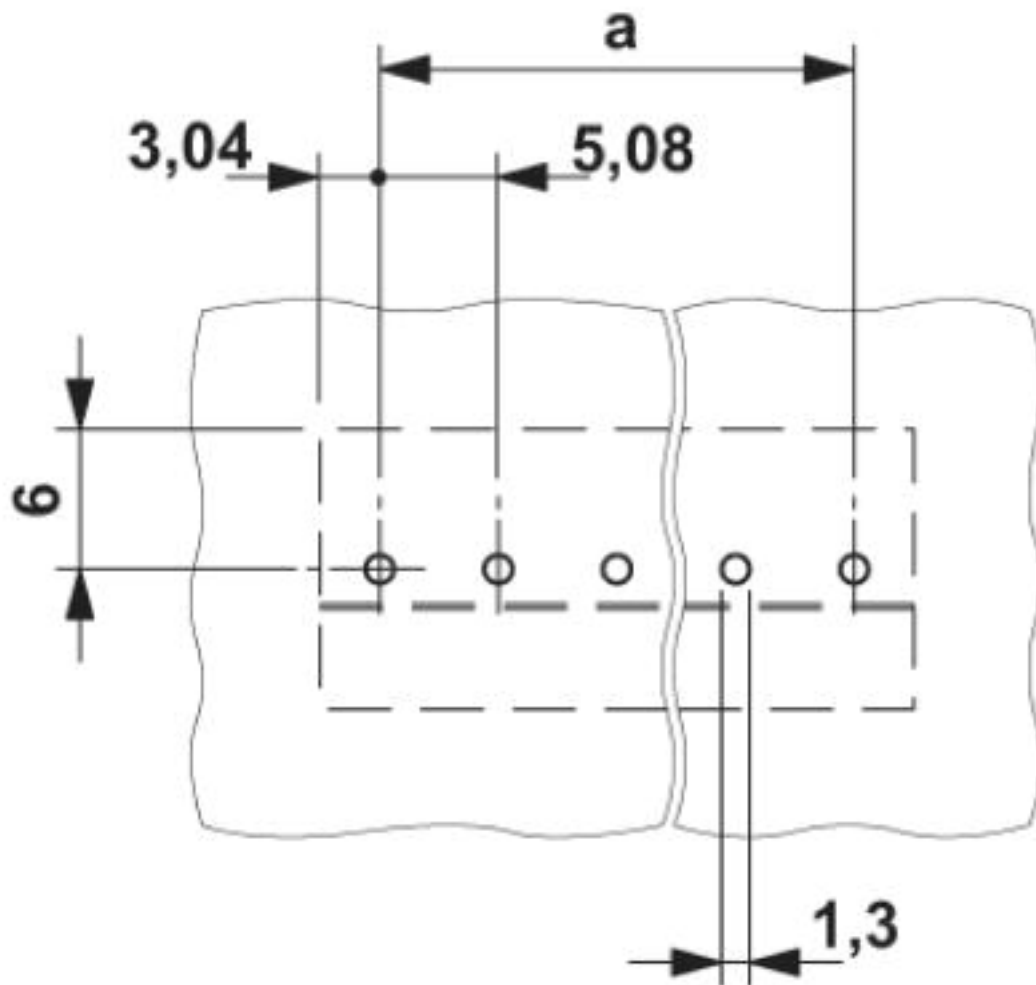
SK 5,08/3,8:FORTL.ZAHLEN - 0804293



### Drawings

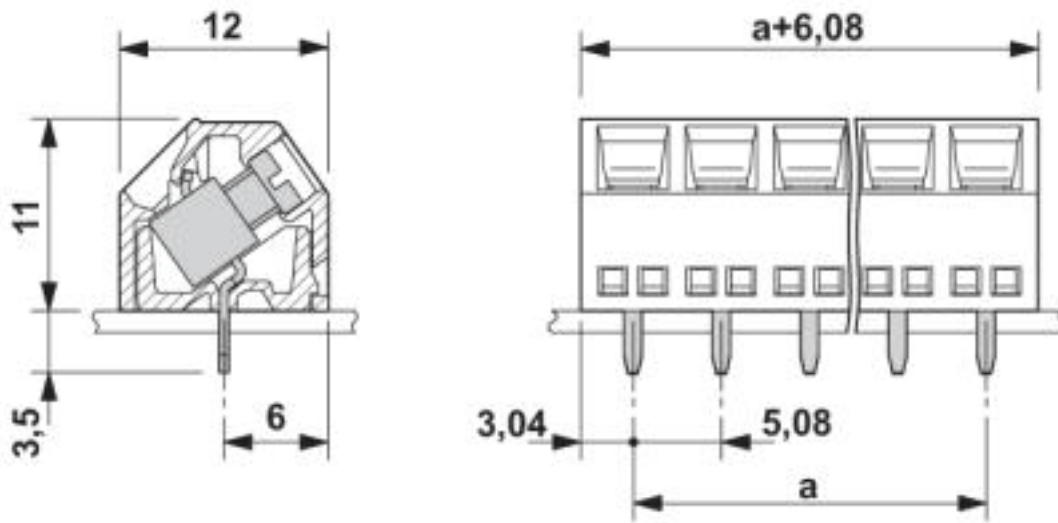
## PCB terminal block - SMKDSN 1,5/16-5,08 - 1869350

Drilling diagram



## PCB terminal block - SMKDSN 1,5/16-5,08 - 1869350

Dimensioned drawing



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