# PCB terminal block - SMKDSN 1,5/13-5,08 - 1869321

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 13, 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
- Conductor cross sections up to 1.5 mm²
- Conductor and screwdriver axis at an angle of 55° to the usual direction
- PCB terminal blocks with compact housing dimensions and low design height

## Key commercial data

| | |
|---|---|
| Packing unit | 1 pc |
| GTIN | 4 017918 149291 |
| Weight per Piece (excluding packing) | 14.24 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length | 12 mm |
| Pitch | 5.08 mm |
| Dimension a | 60.96 mm |
| Pin dimensions | 0,5 x 1 mm |
| Hole diameter | 1.3 mm |

### General

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## Technical data

### 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 $I_N$ | 13.5 A |
| Nominal cross section | 1.5 mm² |
| Maximum load current | 13.5 A |
| 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 | 13 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 1.5 mm² |
| Conductor cross section stranded min. | 0.14 mm² |
| Conductor cross section stranded max. | 1.5 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 1.5 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 1.5 mm² |
| Conductor cross section AWG/kcmil min. | 26 |
| Conductor cross section AWG/kcmil max | 16 |
| 2 conductors with same cross section, solid min. | 0.14 mm² |
| 2 conductors with same cross section, solid max. | 0.75 mm² |
| 2 conductors with same cross section, stranded min. | 0.14 mm² |
| 2 conductors with same cross section, stranded max. | 0.75 mm² |

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## Technical data

### Connection data

| | |
|---|---|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm² |
| 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 |
| 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

# PCB terminal block - SMKDSN 1,5/13-5,08 - 1869321

## Approvals

Approvals

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

Ex Approvals

Approvals submitted

## Approval details

CSA

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

UL Recognized

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

SEV

| | |
|---|---|
| mm²/AWG/kcmil | 1.5 |
| Nominal current IN | 13.5 A |
| Nominal voltage UN | 250 V |

cUL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 30-14 | 30-14 |

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## Approvals

| | B | D |
|---|---|---|
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

GOST

CCA

IECEE CB Scheme

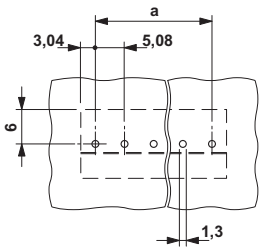
GOST

| SEV | |
|---|---|
| mm²/AWG/kcmil | 1.5 |
| Nominal current IN | 13.5 A |
| Nominal voltage UN | 250 V |

cULus Recognized

## Drawings

Drilling diagram




Dimensioned drawing