

## PCB terminal block - SMKDS 1/10-3,81 - 1728365

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PCB terminal block, Nominal current: 10 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 10, 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

- Conductor and screwdriver axis at an angle of 55° to the usual direction
- Arrangement of several rows of terminal blocks one behind the other – multi-level effect with the same design height



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 100 pc  |
| GTIN                                 | <br>4 017918 025816 |
| Weight per Piece (excluding packing) | 6.0 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 10 mm        |
| Pitch          | 3.81 mm      |
| Dimension a    | 34.29 mm     |
| Pin dimensions | 0,5 x 0,9 mm |
| Hole diameter  | 1.1 mm       |

#### General

|                             |         |
|-----------------------------|---------|
| Range of articles           | SMKDS 1 |
| Insulating material group   | I       |
| Rated surge voltage (III/3) | 2.5 kV  |
| Rated surge voltage (III/2) | 2.5 kV  |
| Rated surge voltage (II/2)  | 2.5 kV  |
| Rated voltage (III/3)       | 160 V   |

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## Technical data

### General

|   |                   |
|---|-------------------|
| Rated voltage (III/2)                   | 200 V             |
| Rated voltage (II/2)                    | 400 V             |
| Connection in acc. with standard        | EN-VDE            |
| Nominal current I <sub>N</sub>          | 10 A              |
| Nominal cross section                   | 1 mm <sup>2</sup> |
| Maximum load current                    | 12 A              |
| Insulating material                     | PA                |
| Solder pin surface                      | Sn                |
| Inflammability class according to UL 94 | V0                |
| Stripping length                        | 5 mm              |
| Number of positions                     | 10                |
| Screw thread                            | M2                |
| Tightening torque, min                  | 0.22 Nm           |
| Tightening torque max                   | 0.25 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 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. | 0.5 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.    | 0.5 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.                           | 0.5 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.                        | 0.2 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL  | 30                   |
| Maximum AWG according to UL/CUL  | 16                   |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |

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## Classifications

### eCl@ss

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

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / IECCEB Scheme / GOST / SEV / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |       |
|---|-------|-------|
|  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 28-16 | 28-16 |
| Nominal current I <sub>N</sub>  | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>  | 150 V | 300 V |

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## Approvals

|                                |       |       |
|--------------------------------|-------|-------|
| UL Recognized                  |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-16 | 30-16 |
| 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 current I <sub>N</sub> | 12 A  |
| Nominal voltage U <sub>N</sub> | 125 V |

|                                |       |       |
|--------------------------------|-------|-------|
| cUL Recognized                 |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-16 | 30-16 |
| 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 |  |
|------|--|

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
|                                |       |
| mm <sup>2</sup> /AWG/kcmil     | 1.5   |
| Nominal current I <sub>N</sub> | 12 A  |
| Nominal voltage U <sub>N</sub> | 125 V |

## PCB terminal block - SMKDS 1/10-3,81 - 1728365

### Approvals

cULus Recognized 

### Accessories

#### Accessories

##### Labeled terminal marker

Marker cards - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



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: 3.81 mm, Lettering field: 3.81 x 2.8 mm

##### Marker pen

Marker pen - B-STIFT - 1051993



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

##### Screwdriver tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

##### Terminal marking

Marker cards - SK U/2,8 WH:UNBEDRUCKT - 0803883

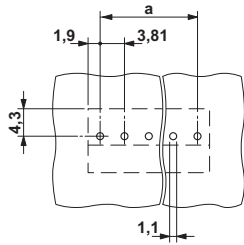


Marker cards, Sheet, white, Unlabeled, Can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm

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## Drawings

Drilling diagram



Dimensioned drawing

