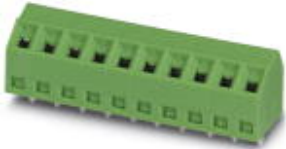


## PCB terminal block - SMKDS 1/ 6-3,5 - 1751138

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PCB terminal block, Nominal current: 10 A, Nom. voltage: 200 V, Pitch: 3.5 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

- ✓ 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 103736 |
| Weight per Piece (excluding packing) | 3.3 g                                                                                                   |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 10 mm        |
| Pitch          | 3.5 mm       |
| Dimension a    | 17.5 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   |

# PCB terminal block - SMKDS 1/ 6-3,5 - 1751138

## Technical data

### General

|                                         |                   |
|-----------------------------------------|-------------------|
| Rated voltage (III/2)                   | 200 V             |
| Rated voltage (II/2)                    | 400 V             |
| Connection in acc. with standard        | EN-VDE            |
| Nominal current $I_N$                   | 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                     | 6                 |
| 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>  |

## 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 |

## PCB terminal block - SMKDS 1/ 6-3,5 - 1751138

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| 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 / CCA / IECCEB Scheme / SEV / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                         |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                         | 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 |

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

## PCB terminal block - SMKDS 1/ 6-3,5 - 1751138

### Approvals

|                                | B     | D     |
|--------------------------------|-------|-------|
| 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 |

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

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

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

|     |
|-----|
| EAC |
|-----|

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

### Accessories

Accessories

Labeled terminal marker

## PCB terminal block - SMKDS 1/ 6-3,5 - 1751138

### Accessories

Marker card - SK 3,5/2,8:FORTL.ZAHLEN - 0804073



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, for terminal block width: 3.5 mm, Lettering field: 3.5 x 2.8 mm

### Screwdriver tools

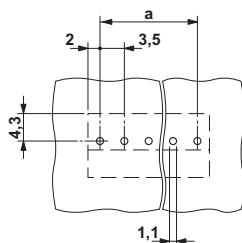
Screwdriver - SZS 0,4X2,5 VDE - 1205037



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

### Drawings

Drilling diagram



Dimensioned drawing

