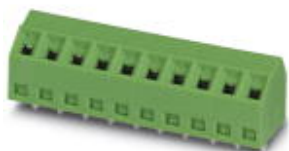


## PCB terminal block - SMKDS 1/ 5-3,5 BD:15-11 SO - 1703745

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PCB terminal block, nominal current: 10 A, nom. voltage: 200 V, pitch: 3.5 mm, number of positions: 5, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 35 °, color: green



The figure shows a 10-position version of the product

### Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Angled connection enables multi-row arrangement on the PCB
- ✓ Extremely small design for the respective conductor cross section



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 50 pc         |
| GTIN         |               |
| GTIN         | 4046356663656 |

### Technical data

#### Dimensions

|                |        |
|----------------|--------|
| Length [ l ]   | 10 mm  |
| Pitch          | 3.5 mm |
| Dimension a    | 14 mm  |
| Width [ w ]    | 18 mm  |
| Height         | 9.5 mm |
| Height [ h ]   | 13 mm  |
| Solder pin [P] | 3.5 mm |
| Hole diameter  | 1.1 mm |

#### General

|                   |         |
|-------------------|---------|
| Range of articles | SMKDS 1 |
|-------------------|---------|

# PCB terminal block - SMKDS 1/ 5-3,5 BD:15-11 SO - 1703745

## Technical data

### General

|                                  |                   |
|----------------------------------|-------------------|
| 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             |
| 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> |
| Stripping length                 | 5 mm              |
| Number of positions              | 5                 |
| Screw thread                     | M2                |
| Tightening torque, min           | 0.22 Nm           |
| Tightening torque max            | 0.25 Nm           |

### Connection data

|                                                     |                      |
|-----------------------------------------------------|----------------------|
| Conductor cross section AWG min.                    | 26                   |
| Conductor cross section AWG 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>  |

### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|----------------------------------|--------|

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Approvals

### Approvals

#### Approvals

IECEE CB Scheme / SEV / EAC / cULus Recognized

#### Ex Approvals

## PCB terminal block - SMKDS 1/ 5-3,5 BD:15-11 SO - 1703745

### Approvals

#### Approval details

|                    |                                                                                   |                                                           |         |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|---------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | CH-8225 |
| Nominal voltage UN | 125 V                                                                             |                                                           |         |
| Nominal current IN | 12 A                                                                              |                                                           |         |
| mm²/AWG/kcmil      | 1.5                                                                               |                                                           |         |

|                    |                                                                                   |                                                                                                                                                     |            |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| SEV                |  | <a href="https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html">https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html</a> | IK-3542-M1 |
| Nominal voltage UN | 125 V                                                                             |                                                                                                                                                     |            |
| Nominal current IN | 12 A                                                                              |                                                                                                                                                     |            |
| mm²/AWG/kcmil      | 1.5                                                                               |                                                                                                                                                     |            |

|     |                                                                                     |         |  |
|-----|-------------------------------------------------------------------------------------|---------|--|
| EAC |  | B.01742 |  |
|-----|-------------------------------------------------------------------------------------|---------|--|

|                    |                                                                                     |                                                                                                                                                       |                 |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| cULus Recognized   |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-19770427 |
|                    | D                                                                                   | B                                                                                                                                                     |                 |
| Nominal voltage UN | 300 V                                                                               | 300 V                                                                                                                                                 |                 |
| Nominal current IN | 10 A                                                                                | 10 A                                                                                                                                                  |                 |
| mm²/AWG/kcmil      | 30-16                                                                               | 30-16                                                                                                                                                 |                 |

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