

## PCB terminal block - MKDSFW 1,5/ 9-3,5 - 1868199

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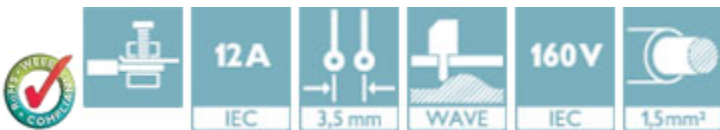
PCB terminal block, Nominal current: 12 A, Nom. voltage: 160 V, Pitch: 3.5 mm, Number of positions: 9, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green



The figure shows a 10-position version of the product

### Product Features

- Horizontal series with vertical connection direction to the PCB



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 6.28 g   |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Poland   |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 11.3 mm      |
| Pitch                    | 3.50 mm      |
| Dimension a              | 28 mm        |
| Constructional height    | 11 mm        |
| Length of the solder pin | 3.5 mm       |
| Pin dimensions           | 0,5 x 0,9 mm |
| Hole diameter            | 1.3 mm       |

#### General

|                           |            |
|---------------------------|------------|
| Range of articles         | MKDSFW 1,5 |
| Insulating material group | I          |

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### 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)                  | 160 V   |
| Rated voltage (II/2)                   | 320 V   |
| Connection in acc. with standard       | EN-VDE  |
| Nominal current $I_N$                  | 12 A  |
| Nominal cross section                  | 1.5 mm <sup>2</sup>                                     |
| Maximum load current                   | 12 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA  |
| Solder pin surface                     | Sn  |
| Flammability rating according to UL 94 | V0  |
| Internal cylindrical gage              | A1  |
| Stripping length                       | 6 mm  |
| Number of positions                    | 9   |
| 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 flexible min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.            | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.            | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.               | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.               | 1.5 mm <sup>2</sup>  |
| 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.                                      | 0.75 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> |

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## Technical data

### Connection data

|   |                     |
|---|---------------------|
| 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>   |

### Standards and Regulations

|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CUL    |
| Flammability rating according to UL 94 | V0     |

## 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 |
| eCl@ss 9.0 | 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 - MKDSFW 1,5/ 9-3,5 - 1868199

## Approvals

Approvals

EAC / EAC / cULus Recognized / cULus Recognized

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Ex Approvals

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Approvals submitted

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## Approval details

EAC

EAC

| cULus Recognized               |       |       |
|--------------------------------|-------|-------|
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-14 | 30-14 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

cULus Recognized

## Accessories

Accessories

Labeled terminal marker

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

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Screwdriver tools

# PCB terminal block - MKDSFW 1,5/ 9-3,5 - 1868199

## Accessories

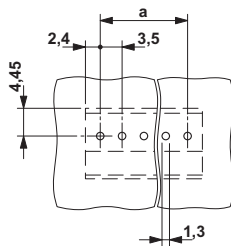
Screwdriver - SZS 0,4X2,5 VDE - 1205037



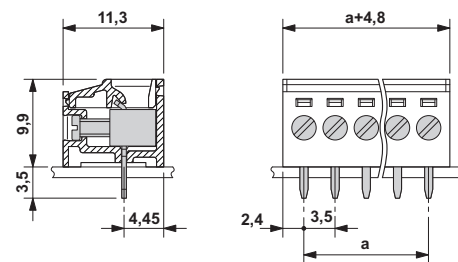
Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

## Drawings

Drilling diagram



Dimensional drawing



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