

## PCB terminal block - MKDSFW 1,5/ 3-3,5 - 1868131

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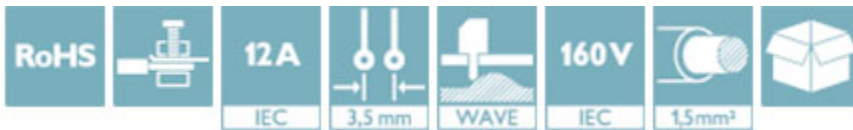
PCB terminal block, Nominal current: 12 A, Nom. voltage: 160 V, Pitch: 3.5 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green



The figure shows a 10-position version of the product

### Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Stand-offs enable the PCB to be cleaned or sealed



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 STK   |
| Minimum order quantity               | 50 STK  |
| GTIN                                 | <br>4 017918 133795 |
| GTIN                                 | 4017918133795   |
| Weight per Piece (excluding packing) | 2.390 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland  |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Length      | 11.3 mm |
| Pitch       | 3.5 mm  |
| Dimension a | 7 mm    |
| Width       | 11.8 mm |

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## Technical data

### Dimensions

|                          |              |
|--------------------------|--------------|
| Constructional height    | 10.4 mm      |
| Height                   | 13.7 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   |
| 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                    | 3   |
| 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>  |

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## Technical data

### 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.  | 0.75 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> |
| 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     |

### Environmental Product Compliance

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

## Approvals

### Approvals

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Approvals

EAC / cULus Recognized

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Ex Approvals


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### Approval details

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## Approvals

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