

## PCB terminal block - MKDS 5/ 3-9,5 (13) - 1718401

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PCB terminal block, nominal current: 32 A, nom. voltage: 1000 V, pitch: 9.52 mm, number of positions: 3, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0°, color: green. The article can be aligned to create different nos. of positions!

The figure shows a 2-pos. 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



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 50 pc         |
| GTIN         |               |
| GTIN         | 4017918228835 |

### Technical data

#### Dimensions

|                |          |
|----------------|----------|
| Length [ l ]   | 12.05 mm |
| Pitch          | 9.52 mm  |
| Dimension a    | 19.04 mm |
| Width [ w ]    | 28.56 mm |
| Height         | 21.5 mm  |
| Height [ h ]   | 26.5 mm  |
| Solder pin [P] | 5 mm     |
| Hole diameter  | 1.3 mm   |

#### General

|                           |        |
|---------------------------|--------|
| Range of articles         | MKDS 5 |
| Insulating material group | I      |

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## Technical data

### General

|  |   |
|--|---|
| Rated surge voltage (III/3)            | 6 kV  |
| Rated surge voltage (III/2)            | 6 kV  |
| Rated surge voltage (II/2)             | 6 kV  |
| Rated voltage (III/3)                  | 690 V   |
| Rated voltage (III/2)                  | 630 V   |
| Rated voltage (II/2)                   | 1000 V  |
| Connection in acc. with standard       | EN-VDE  |
| Nominal current $I_N$                  | 32 A  |
| Nominal cross section                  | 4 mm <sup>2</sup>                                     |
| Maximum load current                   | 32 A (with 6 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA  |
| Flammability rating according to UL 94 | V0  |
| Internal cylindrical gage              | A4  |
| Stripping length                       | 8 mm  |
| Number of positions                    | 3   |
| Screw thread                           | M3  |
| Tightening torque, min                 | 0.5 Nm  |
| Tightening torque max                  | 0.6 Nm  |

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 6 mm <sup>2</sup>    |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 4 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.              | 4 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.                 | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG max.  | 10                   |
| 2 conductors with same cross section, solid min.  | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.  | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1.5 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.   | 0.75 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. | 2.5 mm <sup>2</sup>  |

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## Technical data

### Standards and Regulations

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

### 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

DNV GL / CSA / RS / CCA / SEV / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|        |   |            |
|--------|---|------------|
| DNV GL | <a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a> | TAE00001EV |
|--------|---|------------|


|                            |   |   |       |
|----------------------------|---|---|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                            | B   | C   |       |
| Nominal voltage UN         | 300 V   | 300 V   |       |
| Nominal current IN         | 30 A  | 30 A  |       |
| mm <sup>2</sup> /AWG/kcmil | 28-10   | 28-10   |       |


|    |   |   |              |
|----|---|---|--------------|
| RS |  | <a href="http://www.rs-head.spb.ru/en/index.php">http://www.rs-head.spb.ru/en/index.php</a> | 17.00014.272 |
|----|---|---|--------------|


|                            |         |
|----------------------------|---------|
| CCA                        | IK-3249 |
| Nominal voltage UN         | 690 V   |
| mm <sup>2</sup> /AWG/kcmil | 6       |

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### Approvals

|                            |   |   |         |
|----------------------------|---|---|---------|
| SEV                        |  | <a href="https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html">https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html</a> | IK-4199 |
| Nominal voltage UN         |   | 690 V   |         |
| Nominal current IN         |   | 32 A  |         |
| mm <sup>2</sup> /AWG/kcmil |   | 6   |         |

|     |   |         |
|-----|---|---------|
| 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   | C               |
| Nominal voltage UN         | 600 V   | 300 V   | 300 V           |
| Nominal current IN         | 5 A   | 30 A  | 30 A            |
| mm <sup>2</sup> /AWG/kcmil | 30-10   | 30-10   | 30-10           |

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