

## PCB terminal block - MKDSV 5/ 3-9,5 - 1710069

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PCB terminal block, nominal current: 32 A, 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!

### Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- The latching on the side enables various numbers of positions to be combined
- Anti-rotation pins support positioning on the PCB



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 017918 315344 |
| GTIN                                 | 4017918315344   |
| Weight per Piece (excluding packing) | 9.600 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland  |

### Technical data

#### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 12.5 mm  |
| Pitch        | 9.52 mm  |
| Dimension a  | 19.04 mm |
| Width [ w ]  | 28.56 mm |

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## Technical data

### Dimensions

|                |         |
|----------------|---------|
| Height         | 21.5 mm |
| Height [ h ]   | 26.5 mm |
| Solder pin [P] | 5 mm    |
| Hole diameter  | 1.3 mm  |

### General

|  |                   |
|--|-------------------|
| Range of articles                      | MKDSV 5           |
| Insulating material group              | I                 |
| Rated surge voltage (III/3)            | 8 kV              |
| Rated surge voltage (III/2)            | 8 kV              |
| Rated surge voltage (II/2)             | 6 kV              |
| Rated voltage (III/3)                  | 690 V             |
| Rated voltage (III/2)                  | 1000 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              |
| 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                   |

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### Technical data

#### Connection data

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

#### Standards and Regulations

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

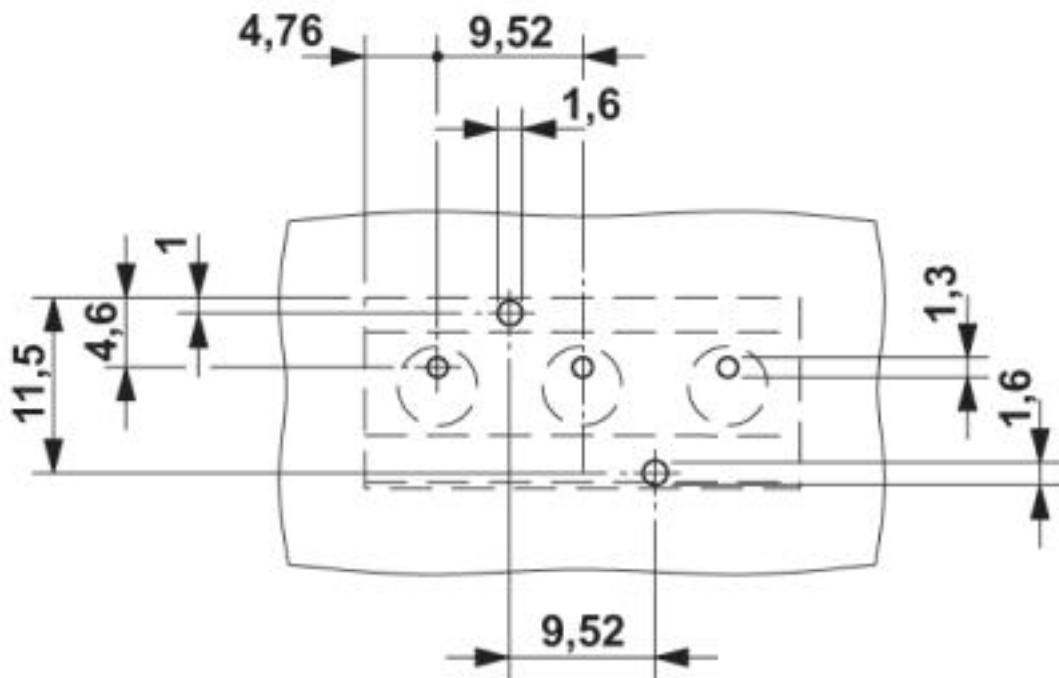
#### Environmental Product Compliance

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

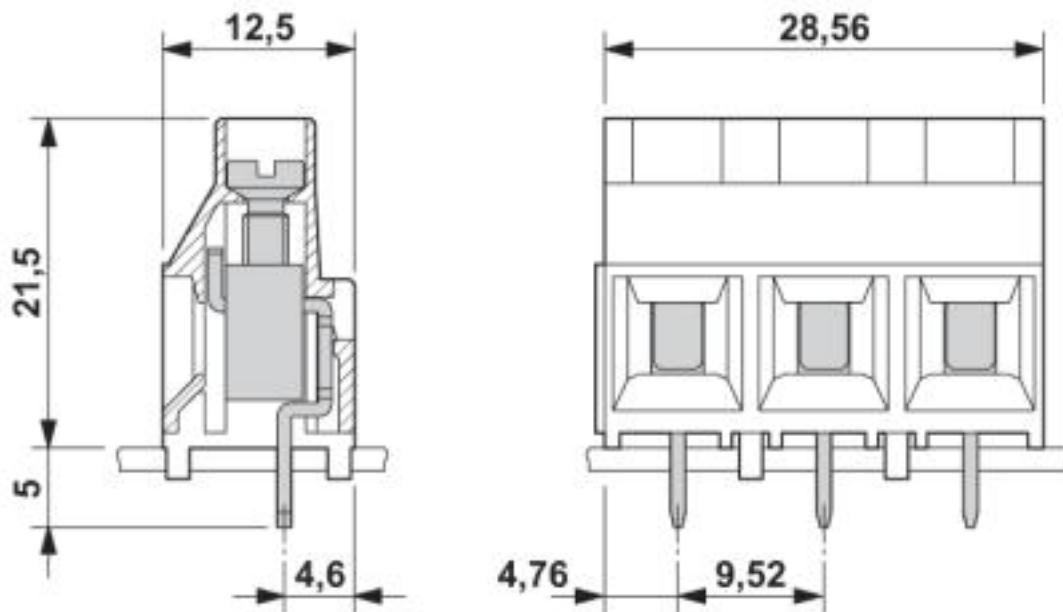
#### Drawings

## PCB terminal block - MKDSV 5/ 3-9,5 - 1710069

Drilling diagram



Dimensional drawing



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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27261100 |
| eCl@ss 6.0 | 27261100 |
| 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 |
| ETIM 6.0 | EC002643 |
| ETIM 7.0 | EC002643 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

### 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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EAC



B.01742

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### Approvals

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

### Accessories

#### Accessories

#### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip