

## PCB terminal block - MKDSV 5/2-9.5 - 1710072

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PC terminal block, Nominal current: 32 A, Nom. voltage: 1000 V, Pitch: 9.52 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Color: green, In order to avoid tolerances between the terminal blocks and the printed circuit board, they should be interrupted when the number of positions exceeds 30.

### Why buy this product

- ✓ Versions with anti-rotation pins (MKDSV, recommended for 2-pos. connections)
- ✓ PCB terminal blocks with screw connection, up to 6 mm<sup>2</sup> conductor cross section



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1                                                                                                       |
| Minimum order quantity | 50                                                                                                      |
| Catalog page           | Page 363 (CC-2011)                                                                                      |
| GTIN                   | <br>4 017918 224714 |
| Custom tariff number   | 85369010                                                                                                |
| Country of origin      | POLAND                                                                                                  |

### Technical data

#### Dimensions / positions

|                        |              |
|------------------------|--------------|
| Pitch                  | 9.52 mm      |
| Dimension a            | 9.52 mm      |
| Number of positions    | 2            |
| Pin dimensions         | 0,9 x 0,9 mm |
| Hole diameter          | 1.3 mm       |
| Screw thread           | M3           |
| Tightening torque, min | 0.5 Nm       |

#### Technical data

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

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## Technical data

### Technical data

|                                         |                   |
|-----------------------------------------|-------------------|
| 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 <sub>N</sub>          | 32 A              |
| Nominal cross section                   | 4 mm <sup>2</sup> |
| Maximum load current                    | 32 A              |
| Insulating material                     | PA                |
| Inflammability class according to UL 94 | V0                |
| Internal cylindrical gage               | A4                |
| Stripping length                        | 8 mm              |
| Nominal voltage, UL/CUL Use Group B     | 300 V             |
| Nominal current, UL/CUL Use Group B     | 30 A              |
| Nominal voltage, UL/CUL Use Group C     | 300 V             |
| Nominal current, UL/CUL Use Group C     | 30 A              |
| Nominal voltage, UL/CUL Use Group D     | 600 V             |
| Nominal current, UL/CUL Use Group D     | 5 A               |

### 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 stranded min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                                   | 4 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 4 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 4 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil 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>  |
| Minimum AWG according to UL/CUL                                                         | 30                   |

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### Technical data

#### Connection data

|                                 |    |
|---------------------------------|----|
| Maximum AWG according to UL/CUL | 10 |
|---------------------------------|----|

### Classifications

#### eclass

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

#### 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

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##### Approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

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##### Ex Approvals

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##### Approvals submitted

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#### Approval details

# PCB terminal block - MKDSV 5/2-9.5 - 1710072

## Approvals

UL Recognized

|                                | B     | C     | D     |
|--------------------------------|-------|-------|-------|
| mm²/AWG/kcmil                  | 30-10 | 30-10 | 30-10 |
| Nominal current I <sub>N</sub> | 30 A  | 30 A  | 5 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V | 600 V |

cUL Recognized

|                                | B     | C     | D     |
|--------------------------------|-------|-------|-------|
| mm²/AWG/kcmil                  | 30-10 | 30-10 | 30-10 |
| Nominal current I <sub>N</sub> | 30 A  | 30 A  | 5 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V | 600 V |

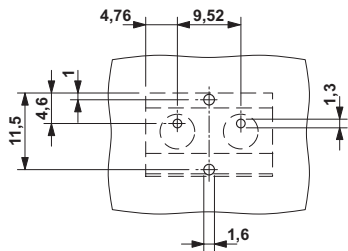
GOST

GOST

cULus Recognized

## Drawings

Drilling diagram



Dimensioned drawing

