

## PCB terminal block - MKDS 5/ 2-9,5 - 1714971

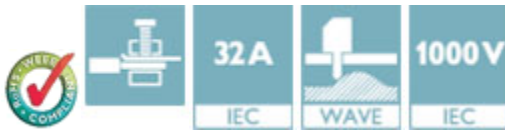
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PCB terminal block, Nominal current: 32 A, Nom. voltage: 1000 V, Pitch: 9.52 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

### Product Features

- 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                         | 1 pc  |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 017918 024116 |
| Weight per Piece (excluding packing) | 6.49 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|                          |          |
|--------------------------|----------|
| Length                   | 19.05 mm |
| Pitch                    | 9.52 mm  |
| Dimension a              | 9.52 mm  |
| Width                    | 12.5 mm  |
| Constructional height    | 22 mm    |
| Height                   | 21.5 mm  |
| Length of the solder pin | 5 mm     |

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## Technical data

### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 0,9 x 0,9 mm |
| Hole diameter  | 1.3 mm       |

### General

|  |   |
|--|---|
| Range of articles                      | MKDS 5  |
| Insulating material group              | I   |
| 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)                  | 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 (with 6 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA  |
| Solder pin surface                     | Sn  |
| Flammability rating according to UL 94 | V0  |
| Internal cylindrical gage              | A4  |
| Stripping length                       | 8 mm  |
| Number of positions                    | 2   |
| 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>  |

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### Technical data

#### Connection data

|   |                      |
|---|----------------------|
| 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 |
|  | CSA    |
| 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 |

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## Approvals

### Approvals


#### Approvals

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

#### Ex Approvals

#### Approvals submitted

### Approval details

|  |       |       |
|--|-------|-------|
| CSA  |       |       |
|  | B     | C     |
| mm <sup>2</sup> /AWG/kcmil   | 28-10 | 28-10 |
| Nominal current IN   | 30 A  | 30 A  |
| Nominal voltage UN   | 300 V | 300 V |

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

|    |
|----|
| GL |
|----|

|    |
|----|
| RS |
|----|

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

|     |
|-----|
| EAC |
|-----|

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## Approvals

|     |
|-----|
| EAC |
|-----|

| cULus Recognized               |       |       |       |
|--------------------------------|-------|-------|-------|
|                                | B     | C     | D     |
| mm <sup>2</sup> /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 |

## 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

## Additional products

PCB terminal block - MKDS 5/ 3-9,5 - 1714984

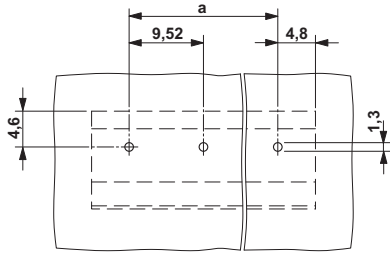


PCB terminal block, Nominal current: 32 A, Nom. voltage: 1000 V, Pitch: 9.52 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

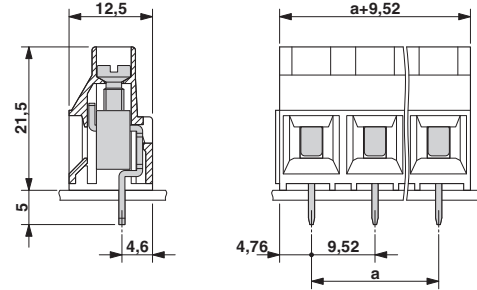
## Drawings

# PCB terminal block - MKDS 5/ 2-9,5 - 1714971

Drilling diagram



Dimensional drawing



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