

## PCB terminal block - MKDS 1,5/ 6 - 1715190

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PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 6, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!



The figure shows a 10-position version of the product

### Key commercial data

|                      |                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Packing unit         | 1 PCE                                                                                                  |
| GTIN                 | <br>4 017918 122683 |
| Custom tariff number | 85369010                                                                                               |
| Country of origin    | GERMANY                                                                                                |

### Technical data

#### Dimensions / positions

|                        |              |
|------------------------|--------------|
| Length                 | 9.8 mm       |
| Pitch                  | 5 mm         |
| Dimension a            | 30 mm        |
| Number of positions    | 6            |
| Pin dimensions         | 0,9 x 0,9 mm |
| Pin spacing            | 5 mm         |
| Hole diameter          | 1.3 mm       |
| Screw thread           | M3           |
| Tightening torque, min | 0.5 Nm       |
| Tightening torque max  | 0.6 Nm       |

#### Technical data

|                             |          |
|-----------------------------|----------|
| Range of articles           | MKDS 1,5 |
| Insulating material group   | I        |
| Rated surge voltage (III/3) | 4 kV     |
| Rated surge voltage (III/2) | 4 kV     |

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## Technical data

### Technical data

|                                         |                                 |
|-----------------------------------------|---------------------------------|
| Rated surge voltage (II/2)              | 4 kV                            |
| Rated voltage (III/3)                   | 250 V                           |
| Rated voltage (III/2)                   | 400 V                           |
| Rated voltage (II/2)                    | 630 V                           |
| Connection in acc. with standard        | EN-VDE                          |
| Nominal current $I_N$                   | 17.5 A                          |
| Nominal cross section                   | 1.5 mm <sup>2</sup>             |
| Maximum load current                    | 22 A (For 2.5 mm <sup>2</sup> ) |
| Insulating material                     | PA                              |
| Inflammability class according to UL 94 | V0                              |
| Internal cylindrical gage               | A 1                             |
| Stripping length                        | 7 mm                            |
| Nominal voltage, UL/CUL Use Group B     | 300 V                           |
| Nominal current, UL/CUL Use Group B     | 15 A                            |
| Nominal voltage, UL/CUL Use Group D     | 300 V                           |
| Nominal current, UL/CUL Use Group D     | 10 A                            |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                                   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                                   | 1.5 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.              | 1.5 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.                 | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 26                   |
| Conductor cross section AWG/kcmil max                                                   | 14                   |
| 2 conductors with same cross section, solid min.                                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 1 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>  |

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### Technical data

#### Connection data

|                                                                                         |                   |
|-----------------------------------------------------------------------------------------|-------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup> |
| Minimum AWG according to UL/CUL                                                         | 30                |
| Maximum AWG according to UL/CUL                                                         | 14                |

### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

#### UNSPSC

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

#### 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 |

### Approvals

#### Approvals

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CSA / UL Recognized / SEV / cUL Recognized / GOST / GL / CCA / GOST / cULus Recognized

#### Ex Approvals

## PCB terminal block - MKDS 1,5/ 6 - 1715190

### Approvals

Approvals submitted

#### Approval details

|                                                                                       |       |       |
|---------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                       | B     | D     |
| mm²/AWG/kcmil                                                                         | 28-14 | 28-14 |
| Nominal current I <sub>N</sub>                                                        | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                        | 300 V | 300 V |

|                                                                                                 |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                 | B     | D     |
| mm²/AWG/kcmil                                                                                   | 30-14 | 30-14 |
| Nominal current I <sub>N</sub>                                                                  | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 300 V | 300 V |

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
|                                |       |
| mm²/AWG/kcmil                  | 2.5   |
| Nominal voltage U <sub>N</sub> | 250 V |

|                                                                                                    |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                    | B     | D     |
| mm²/AWG/kcmil                                                                                      | 30-14 | 30-14 |
| Nominal current I <sub>N</sub>                                                                     | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                     | 300 V | 300 V |

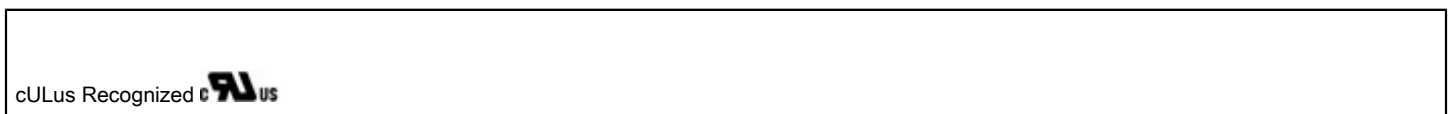
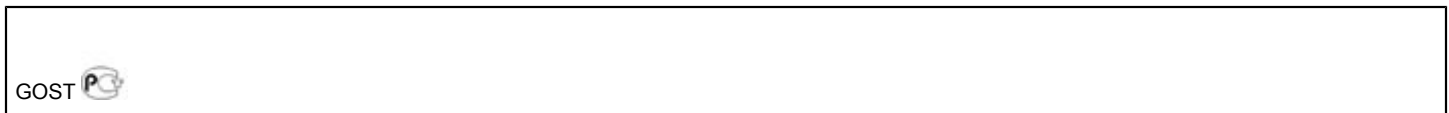
|                                                                                          |  |
|------------------------------------------------------------------------------------------|--|
| GOST  |  |
|------------------------------------------------------------------------------------------|--|

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

## PCB terminal block - MKDS 1,5/ 6 - 1715190

### Approvals

|                    |       |
|--------------------|-------|
| CCA                |       |
|                    |       |
| mm²/AWG/kcmil      | 2.5   |
| Nominal voltage UN | 250 V |



### Accessories

#### Accessories

#### Assembly

PCB terminal block - RZ 1,25-MKDS 1,5 - 1702048



Pitch spacer, for adjusting the pitches between MKDS and GMKDS terminal blocks in mixed rows, 1.25 mm thick

### Bridges

Insertion bridge - EBP 3- 5 - 1733172



Insertion bridge, fully insulated, for plug-in connectors with 5.0 or 5.08 mm pitch, no. of positions: 3

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### Accessories

Insertion bridge - EBP 6- 5 - 1733208



Insertion bridge, fully insulated, for plug-in connectors with 5.0 or 5.08 mm pitch, no. of positions: 6

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### Marking

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5 mm

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### 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

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Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for plug-in connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

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