

## 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

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918122683 |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 9.8 mm       |
| Pitch          | 5 mm         |
| Dimension a    | 30 mm        |
| Pin dimensions | 0,9 x 0,9 mm |
| Pin spacing    | 5 mm         |
| Hole diameter  | 1.3 mm       |

#### General

|                                         |                                 |
|-----------------------------------------|---------------------------------|
| Range of articles                       | MKDS 1,5                        |
| Insulating material group               | I                               |
| Rated surge voltage (III/3)             | 4 kV                            |
| Rated surge voltage (III/2)             | 4 kV                            |
| 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 <sub>N</sub>          | 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                              |
| Solder pin surface                      | Sn                              |
| Inflammability class according to UL 94 | V0                              |
| Internal cylindrical gage               | A 1                             |

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## Technical data

### General

|                        |        |
|------------------------|--------|
| Stripping length       | 7 mm   |
| Number of positions    | 6      |
| Screw thread           | M3     |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max  | 0.6 Nm |

### 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>  |
| 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

### 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 |

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## classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 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

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

### Approval details

| CSA  |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                               | B     | D     |
| Nominal voltage UN                                                                      | 300 V | 300 V |
| Nominal current IN                                                                      | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                           | 28-14 | 28-14 |

| UL Recognized  |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                         | B     | D     |
| Nominal voltage UN                                                                                | 300 V | 300 V |
| Nominal current IN                                                                                | 15 A  | 10 A  |
| mm²/AWG/kcmil                                                                                     | 30-14 | 30-14 |

|                    |       |
|--------------------|-------|
| SEV                |       |
| Nominal voltage UN | 250 V |
| Nominal current IN |       |
| mm²/AWG/kcmil      | 2.5   |

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### approvals

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                        | B     | D     |
| Nominal voltage UN                                                                               | 300 V | 300 V |
| Nominal current IN                                                                               | 15 A  | 10 A  |
| mm²/AWG/kcmil                                                                                    | 30-14 | 30-14 |

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

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

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

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

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

### accessories

#### Screwdriver tools

SZS 0,6X3,5 - 1205053



#### Labeled terminal marker

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## accessories

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



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## Pitch spacer

RZ 1,25-MKDS 1,5 - 1702048



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## Bridge

EBP 2- 5 - 1733169



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EBP 3- 5 - 1733172



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EBP 6- 5 - 1733208



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## Drawings

