

## MKDS 3/ 3

Order No.: 1711039

The illustration shows a 2-position version

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1711039>

PC terminal block, Nominal current: 24 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 3, Type of connection: Screw connection, Assembly: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

### Commercial data

|                          |                   |
|--------------------------|-------------------|
| EAN                      | 4017918023669     |
| Pack                     | 50 pcs.           |
| Customs tariff           | 85369010          |
| Weight/Piece             | 0.006063 KG       |
| Catalog page information | Page 73 (CC-2009) |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003



<http://www.download.phoenixcontact.com>  
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### Technical data

#### Dimensions / positions

|        |         |
|--------|---------|
| Length | 11.2 mm |
| Height | 18 mm   |
| Pitch  | 5 mm    |

|                        |              |
|------------------------|--------------|
| Dimension a            | 10 mm        |
| Number of positions    | 3            |
| 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**

|                                    |                                                       |
|------------------------------------|-------------------------------------------------------|
| 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/2)              | 400 V                                                 |
| Rated voltage (II/2)               | 630 V                                                 |
| Connection in acc. with standard   | EN-VDE                                                |
| Nominal current $I_N$              | 24 A                                                  |
| Nominal voltage $U_N$              | 250 V                                                 |
| Nominal cross section              | 2.5 mm <sup>2</sup>                                   |
| Maximum load current               | 28 A (with 4 mm <sup>2</sup> conductor cross section) |
| Insulating material                | PA                                                    |
| Inflammability class acc. to UL 94 | V0                                                    |
| Internal cylindrical gage          | A3                                                    |
| Stripping length                   | 8 mm                                                  |

**Connection data**

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                         | 4 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                      | 2.5 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. | 2.5 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.                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil max                                                   | 12                   |
| 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. | 1.5 mm <sup>2</sup>  |

#### Certificates / Approvals



Certification

CCA, CSA, CUL, GL, GOST, SEV, UL

#### CSA

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 28-12 |

#### CUL

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 30-12 |

#### UL

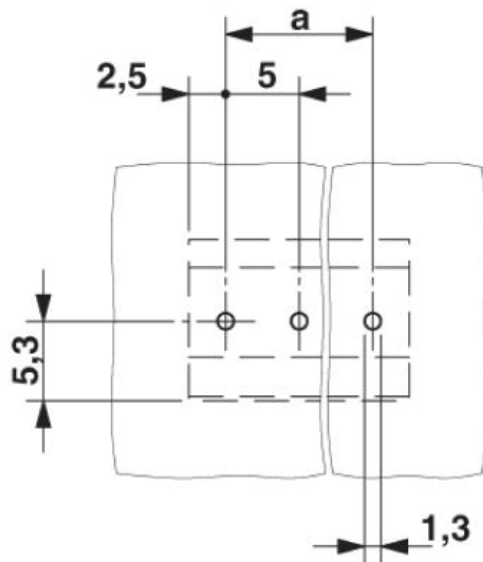
|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 30-12 |

**Accessories**

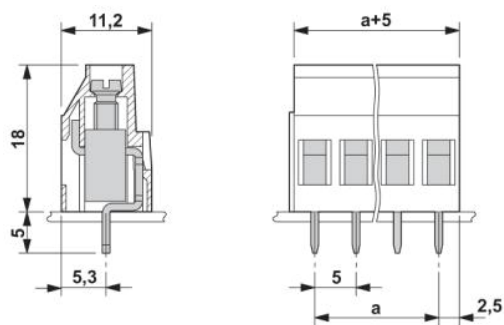
| Item            | Designation            | Description                                                                                                                                                                               |
|-----------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                        |                                                                                                                                                                                           |
| 1703047         | RZ 1,25-MKDS 3         | Pitch spacer, for adjusting the pitches between MKDS and GMKDS terminal blocks in mixed rows, 1.25 mm thick                                                                               |
| <b>Bridges</b>  |                        |                                                                                                                                                                                           |
| 1733172         | EBP 3- 5               | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 3                                                                                     |
| <b>General</b>  |                        |                                                                                                                                                                                           |
| 1733169         | EBP 2- 5               | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2                                                                                     |
| <b>Marking</b>  |                        |                                                                                                                                                                                           |
| 1051993         | B-STIFT                | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm                                                                               |
| 0804183         | SK 5/3,8:FORTL.ZAHLEN  | Marker card, printed horizontally, self-adhesive, 12 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 120 terminal blocks                                       |
| 0805072         | SK 5/3,8:SO            | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 12 identical marker strips per card, max. 25-position labeling per strip, color: white               |
| 0805409         | SK 5/3,8:UNBEDRUCKT    | Marker cards, unprinted, with pitch divisions, self-adhesive, 10-section marker strips, 12 strips per card, can be labeled with the M-PEN                                                 |
| 0803906         | SK U/3,8 WH:UNBEDRUCKT | Unprinted marker cards, DIN A4 format, pitch as desired, self-adhesive, with 40 stamped marker strips, 185 mm strip length, can be labeled with the CMS system or manually with the M-PEN |
| <b>Tools</b>    |                        |                                                                                                                                                                                           |
| 1205053         | SZS 0,6X3,5            | Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm <sup>2</sup> connection cross section, blade: 0.6 x 3.5 mm, without VDE approval                                      |

## Diagrams/Drawings

Drilling plan/solder pad geometry



Dimensioned drawing



**Address**

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