

## MKDS 3/ 4-5,08

Order No.: 1712805

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1712805>

PC terminal block, Nominal current: 24 A, Nom. voltage: 250 V,  
Pitch: 5.08 mm, Number of positions: 4, 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                      | 4017918023867     |
| Pack                     | 50 pcs.           |
| Customs tariff           | 85369010          |
| Weight/Piece             | 0.008194 KG       |
| Catalog page information | Page 73 (CC-2009) |

### Product notes

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



[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
here has been taken from the  
online catalog. For comprehensive  
information and data, please refer  
to the user documentation. The  
General Terms and Conditions of  
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### Technical data

#### Dimensions / positions

|        |         |
|--------|---------|
| Length | 11.2 mm |
| Height | 18 mm   |
| Pitch  | 5.08 mm |

|                        |              |
|------------------------|--------------|
| Dimension a            | 15.24 mm     |
| Number of positions    | 4            |
| Pin dimensions         | 0,9 x 0,9 mm |
| Pin spacing            | 15.24 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 <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 28-12 |

#### CUL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 30-12 |

#### UL

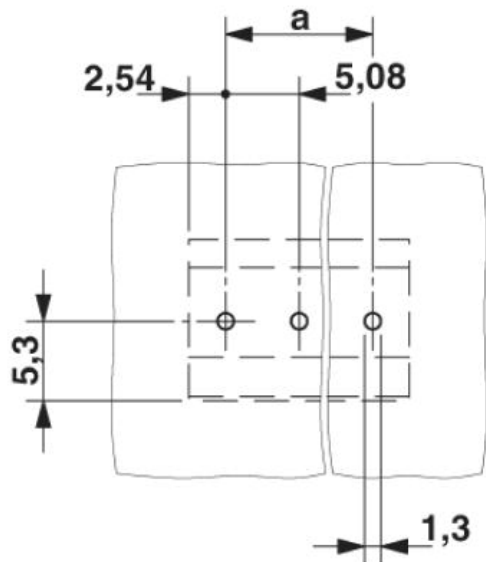
|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 30-12 |

## Accessories

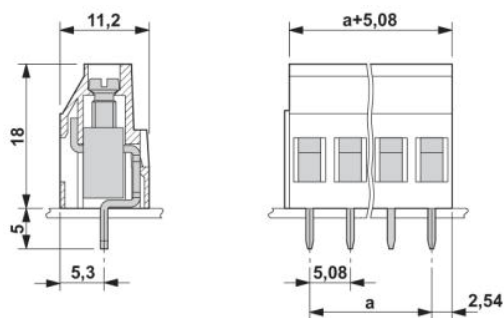
| Item            | Designation              | Description                                                                                                                                                                 |
|-----------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                                                       |
| 1733185         | EBP 4- 5                 | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 4                                                                       |
| <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                                                                 |
| 0804303         | SK 5,08/3,8: 0-9         | Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked 0-9, sufficient for 120 terminal blocks                              |
| 0804293         | SK 5,08/3,8: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                         |
| 0805085         | SK 5,08/3,8: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 |
| 0805412         | SK 5,08/3,8:UNBEDRUCKT   | Marker cards, unprinted, with pitch divisions, self-adhesive, 10-section marker strips, 12 strips per card, can be labeled with the M-PEN                                   |
| <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



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