

**MKDS 3/ 4-5,08**

Order No.: 1712805

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

Printed circuit terminal block, nominal current: 24 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 4, mounting: Soldering, type of connection: Screw connection, connection direction from the conductor to the PCB: 0°

**Commercial data**

|                          |                   |
|--------------------------|-------------------|
| EAN                      | 4017918023867     |
| Pack                     | 50 Pcs.           |
| Customs tariff           | 85369010          |
| Weight/Piece             | 0.008194 KG       |
| Catalog page information | Page 67 (CC-2007) |

**Product notes**

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



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**Technical data****Dimensions / positions**

|                     |          |
|---------------------|----------|
| 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           | M 3          |
| Tightening torque, min | 0.5 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)              | 320 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

#### Approval logo



#### 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                            |
| Certification                  | CCA, CSA, CUL, GL, GOST, SEV, UL |

## Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

### Assembly

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

### General

|         |          |                                                                                                       |
|---------|----------|-------------------------------------------------------------------------------------------------------|
| 1733169 | EBP 2- 5 | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2 |
|---------|----------|-------------------------------------------------------------------------------------------------------|

### Marking

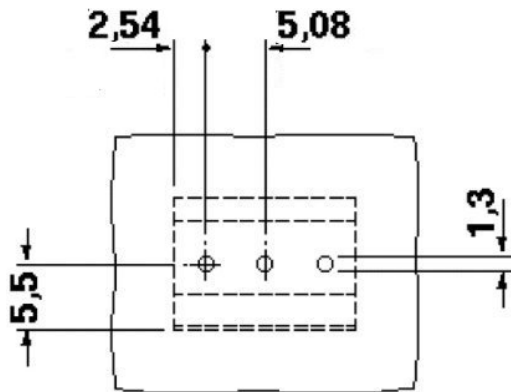
|         |                          |                                                                                                                                                     |
|---------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------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

### Tools

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

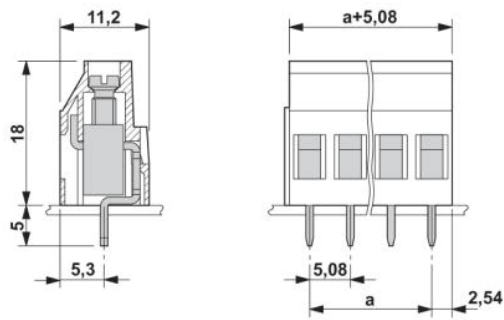
## Drawings

Drilling diagram



Dimensioned drawing

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