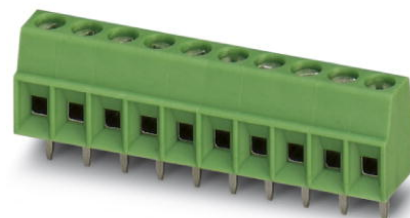


## MKDS 1/10-3,5

Order No.: 1751329

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1751329>

PC terminal block, Nominal current: 10 A, Nom. voltage: 160 V,  
Pitch: 3.5 mm, Number of positions: 10, Type of connection: Screw  
connection, Mounting: Soldering, Conductor/PCB connection direction:  
0 °, Color: green

### Commercial data

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| GTIN (EAN)               |  |
| sales group              | E000                                                                                |
| Pack                     | 50 pcs.                                                                             |
| Customs tariff           | 85369010                                                                            |
| Catalog page information | Page 53 (CC-2009)                                                                   |

### Product notes

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



<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 Use apply to Internet downloads.

### Technical data

#### Dimensions / positions

|             |         |
|-------------|---------|
| Length      | 7.3 mm  |
| Pitch       | 3.5 mm  |
| Dimension a | 31.5 mm |

|                        |              |
|------------------------|--------------|
| Number of positions    | 10           |
| Pin dimensions         | 0,5 x 0,9 mm |
| Hole diameter          | 1.1 mm       |
| Screw thread           | M2           |
| Tightening torque, min | 0.22 Nm      |
| Tightening torque max  | 0.25 Nm      |

#### Technical data

|                                     |                   |
|-------------------------------------|-------------------|
| Range of articles                   | MKDS 1            |
| Insulating material group           | I                 |
| Rated surge voltage (III/3)         | 2.5 kV            |
| Rated surge voltage (III/2)         | 2.5 kV            |
| Rated surge voltage (II/2)          | 2.5 kV            |
| Rated voltage (III/2)               | 200 V             |
| Rated voltage (II/2)                | 400 V             |
| Connection in acc. with standard    | EN-VDE            |
| Nominal current $I_N$               | 10 A              |
| Nominal voltage $U_N$               | 160 V             |
| Nominal cross section               | 1 mm <sup>2</sup> |
| Maximum load current                | 12 A              |
| Insulating material                 | PA                |
| Inflammability class acc. to UL 94  | V0                |
| Stripping length                    | 5 mm              |
| Nominal voltage, UL/CUL Use Group B | 300 V             |
| Nominal current, UL/CUL Use Group B | 10 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.                                         | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 1 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. | 0.5 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. | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                  | 26                   |
| Conductor cross section AWG/kcmil max                                   | 16                   |
| 2 conductors with same cross section, solid min.                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                        | 0.5 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.                     | 0.2 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL                                         | 30                   |
| Maximum AWG according to UL/CUL                                         | 16                   |

#### Certificates / Approvals



Certification

CB, CCA, CSA, CUL, GOST, SEV, UL

#### Accessories

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

#### Marking

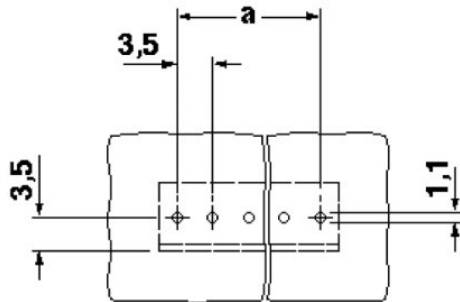
|         |                         |                                                                                                                                                                          |
|---------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1051993 | B-STIFT                 | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm                                                              |
| 0804073 | SK 3,5/2,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 10-section marker strip, 14 identical decades marked 1-10, 11-20 etc. up to 91-100, sufficient for 140 terminal blocks |
| 0803883 | SK U/2,8 WH:UNBEDRUCKT  |                                                                                                                                                                          |

#### Tools

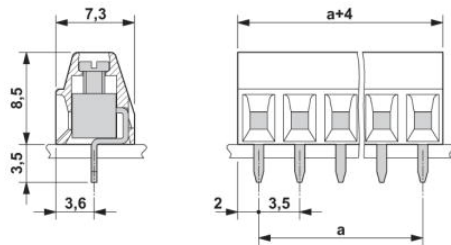
|         |                 |                                                                                                   |
|---------|-----------------|---------------------------------------------------------------------------------------------------|
| 1205037 | SZS 0,4X2,5 VDE | Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip |
|---------|-----------------|---------------------------------------------------------------------------------------------------|

## Diagrams/Drawings

Drilling plan/solder pad geometry



Dimensioned drawing



**Address**

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