

## MKDSP 1,5/ 5-5,08

Order No.: 1730159

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1730159>

PC terminal block, Nominal current: 17.5 A, Nom. voltage: 250 V,  
Pitch: 5.08 mm, Number of positions: 5, Type of connection: Screw  
connection, Mounting: Soldering, Conductor/PCB connection direction:  
0 °, Color: green

### Commercial data

|                          |                   |
|--------------------------|-------------------|
| GTIN (EAN)               | 4 017918 026257   |
| sales group              | E010              |
| Pack                     | 50 pcs.           |
| Customs tariff           | 85369010          |
| Catalog page information | Page 63 (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      | 11.15 mm |
| Pitch       | 5.08 mm  |
| Dimension a | 20.32 mm |

|                        |              |
|------------------------|--------------|
| Number of positions    | 5            |
| Pin dimensions         | 0,9 x 0,9 mm |
| Hole diameter          | 1.3 mm       |
| Screw thread           | M3           |
| Tightening torque, min | 0.5 Nm       |
| Tightening torque max  | 0.6 Nm       |

#### Technical data

|                                     |                     |
|-------------------------------------|---------------------|
| Range of articles                   | MKDSP 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/2)               | 400 V               |
| Rated voltage (II/2)                | 630 V               |
| Connection in acc. with standard    | EN-VDE              |
| Nominal current $I_N$               | 17.5 A              |
| Nominal voltage $U_N$               | 250 V               |
| Nominal cross section               | 1.5 mm <sup>2</sup> |
| Maximum load current                | 22 A                |
| Insulating material                 | PA                  |
| Inflammability class acc. to UL 94  | V0                  |
| Internal cylindrical gage           | A1                  |
| Stripping length                    | 7 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.                                         | 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                   |

#### Certificates / Approvals



Certification

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

#### Accessories

| Item           | Designation  | Description                                                                                           |
|----------------|--------------|-------------------------------------------------------------------------------------------------------|
| <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 |
| 1718207        | ST-MKDSP 3/5 | Test plugs                                                                                            |

#### 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 |
|---------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

#### Plug/Adapter

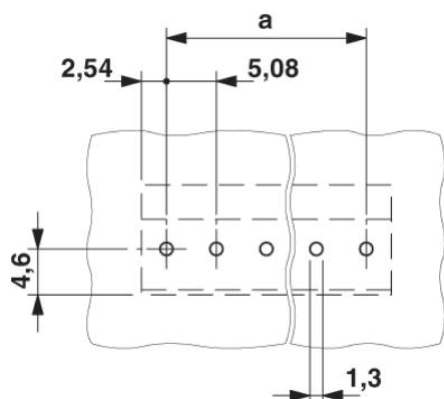
|         |              |                            |
|---------|--------------|----------------------------|
| 0201744 | MPS-MT       | Test plugs                 |
| 0201647 | RPS          | Reducing plug, Color: gray |
| 1301355 | SPB 10-MKDSP | Accessories                |

#### Tools

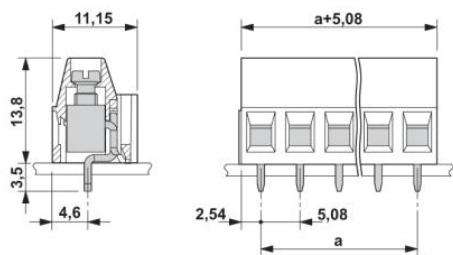
|         |             |                                                                                                                                                                  |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1205053 | SZS 0,6X3,5 | Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Diagrams/Drawings

Drilling plan/solder pad geometry



Dimensioned drawing



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



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