

## MKDSFW 1,5/ 9-3,5

Order No.: 1868199

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1868199>

PC terminal block, Nominal current: 12 A, Nom. voltage: 160 V,  
Pitch: 3.5 mm, Number of positions: 9, Type of connection: Screw  
connection, Mounting: Soldering, Conductor/PCB connection direction:  
90 °, Color: green

### Commercial data

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| GTIN (EAN)               |  |
| Note                     | Made-to-order                                                                       |
| sales group              | E006                                                                                |
| Pack                     | 50 pcs.                                                                             |
| Customs tariff           | 85369010                                                                            |
| Catalog page information | Page 55 (CC-2009)                                                                   |

### Product notes

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



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### Technical data

#### Dimensions / positions

|             |         |
|-------------|---------|
| Length      | 11.3 mm |
| Pitch       | 3.5 mm  |
| Dimension a | 28 mm   |

|                        |              |
|------------------------|--------------|
| Number of positions    | 9            |
| Pin dimensions         | 0,5 x 0,9 mm |
| Hole diameter          | 1.3 mm       |
| Screw thread           | M2           |
| Tightening torque, min | 0.22 Nm      |
| Tightening torque max  | 0.25 Nm      |

#### Technical data

|                                     |                                                         |
|-------------------------------------|---------------------------------------------------------|
| Range of articles                   | MKDSFW 1,5                                              |
| 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)               | 160 V                                                   |
| Rated voltage (II/2)                | 320 V                                                   |
| Connection in acc. with standard    | EN-VDE                                                  |
| Nominal current $I_N$               | 12 A                                                    |
| Nominal voltage $U_N$               | 160 V                                                   |
| Nominal cross section               | 1.5 mm <sup>2</sup>                                     |
| Maximum load current                | 12 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                 | PA                                                      |
| Inflammability class acc. to UL 94  | V0                                                      |
| Internal cylindrical gage           | A1                                                      |
| Stripping length                    | 6 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.                                      | 1.5 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                                                   | 16                   |
| 2 conductors with same cross section, solid min.                                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 0.75 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

CUL, GOST, UL

#### Accessories

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

#### Marking

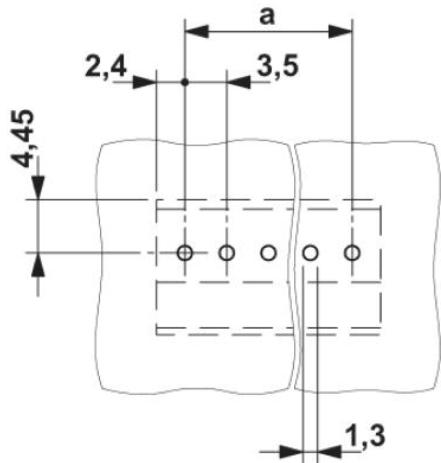
|         |                         |                                                                                                                                                                          |
|---------|-------------------------|----------------------------------------------------------------------------------------------------------------------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

Tools

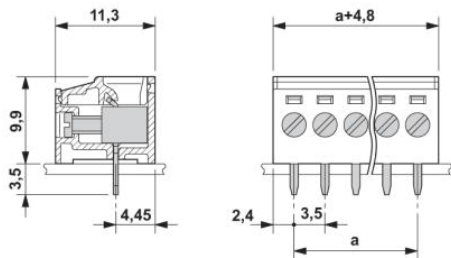
|         |                 |                                                                                                   |
|---------|-----------------|---------------------------------------------------------------------------------------------------|
| 1205037 | SZS 0,4X2,5 VDE | Screwdriver, 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



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