

## MCVW 1,5/15-STF-3,5

Order No.: 1863136

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1863136>

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V,  
Pitch: 3.5 mm, Color: green, Metal surface: Sn

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| GTIN (EAN)               | 4017918120948      |
| Note                     | Made-to-order      |
| sales group              | E101               |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.01255 KG         |
| Catalog page information | Page 145 (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

|                        |         |
|------------------------|---------|
| Pitch                  | 3.5 mm  |
| Dimension a            | 49 mm   |
| Number of positions    | 15      |
| Screw thread           | M2      |
| Tightening torque, min | 0.22 Nm |

|                       |         |
|-----------------------|---------|
| Tightening torque max | 0.25 Nm |
|-----------------------|---------|

#### Technical data

|                                     |                                                        |
|-------------------------------------|--------------------------------------------------------|
| 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 $I_N$               | 8 A                                                    |
| Nominal voltage $U_N$               | 160 V                                                  |
| Nominal cross section               | 1.5 mm <sup>2</sup>                                    |
| Maximum load current                | 8 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                    | 7 mm                                                   |
| Nominal voltage, UL/CUL Use Group B | 250 V                                                  |
| Nominal current, UL/CUL Use Group B | 8 A                                                    |
| Nominal voltage, UL/CUL Use Group D | 300 V                                                  |
| Nominal current, UL/CUL Use Group D | 8 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.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 28                   |
| Conductor cross section AWG/kcmil max                                      | 16                   |

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| 2 conductors with same cross section, solid min.                                        | 0.08 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.                                     | 0.08 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.   | 0.34 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. | 0.5 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL                                                         | 30                   |
| Maximum AWG according to UL/CUL                                                         | 14                   |

#### Certificates / Approvals



Certification

CB, CUL, GOST, UL, VDE-PZI

#### CUL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 8 A   |
| AWG/kcmil                      | 30-14 |

#### UL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 8 A   |
| AWG/kcmil                      | 30-14 |

#### Accessories

| Item           | Designation             | Description                                                                                                                                                              |
|----------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Marking</b> |                         |                                                                                                                                                                          |
| 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

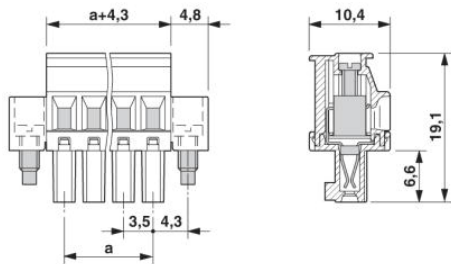
|         |             |                                                                                                                    |
|---------|-------------|--------------------------------------------------------------------------------------------------------------------|
| 1205037 | SZS 0,4X2,5 | Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm² connection cross section, blade: 0.4 x 2.5 mm |
|---------|-------------|--------------------------------------------------------------------------------------------------------------------|

Additional products

| Item           | Designation        | Description                                                                                                                     |
|----------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                    |                                                                                                                                 |
| 1897377        | EMC 1,5/15-GF-3,5  | Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Pitch: 3.5 mm, Color: green, Metal surface: Sn, Assembly: Press-in  |
| 1911295        | EMCV 1,5/15-GF-3,5 | Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Pitch: 3.5 mm, Color: green, Metal surface: Sn, Assembly: Press-in  |
| 1843923        | MC 1,5/15-GF-3,5   | Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Pitch: 3.5 mm, Color: green, Metal surface: Sn, Assembly: Soldering |
| 1843350        | MCV 1,5/15-GF-3,5  | Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Pitch: 3.5 mm, Color: green, Metal surface: Sn, Assembly: Soldering |

Diagrams/Drawings

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>



© 2010 Phoenix Contact  
Technical modifications reserved;