

## FK-MCP 1,5/ 4-ST-3,81

Order No.: 1851067

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1851067>

Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch:  
3.81 mm, Number of positions: 4, Connection type: Spring-cage conn.,  
Color: green

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918109943      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.00395 KG         |
| Catalog page information | Page 150 (CC-2009) |

### Product notes

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



[http://  
www.download.phoenixcontact.com](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               | 3.81 mm  |
| Dimension a         | 11.43 mm |
| Number of positions | 4        |

#### 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                   | 9 mm   |

#### 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.                                     | 26                   |
| Conductor cross section AWG/kcmil max                                      | 16                   |

#### Certificates / Approvals



Certification CB, CSA, CUL, GOST, UL, VDE-PZI

**CSA**

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 8 A   |
| AWG/kcmil             | 28-16 |

**CUL**

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 8 A   |
| AWG/kcmil             | 28-16 |

**UL**

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 8 A   |
| AWG/kcmil             | 28-16 |

**Accessories**

| Item           | Designation              | Description   |
|----------------|--------------------------|---|
| <b>Marking</b> |                          |   |
| 1051993        | B-STIFT                  | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm   |
| 0804109        | SK 3,81/2,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 10-section marker strip, 14 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 140 terminal blocks              |
| 0805056        | SK 3,81/2,8:SO           | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 14 identical marker strips per card, max. 25-position labeling per strip, color: White               |
| 0803883        | SK U/2,8 WH:UNBEDRUCKT   | Unprinted marker cards, DIN A4 format, pitch as desired, self-adhesive, with 50 stamped marker strips, 185 mm strip length, can be labeled with the CMS system or manually with the M-PEN |

**Tools**

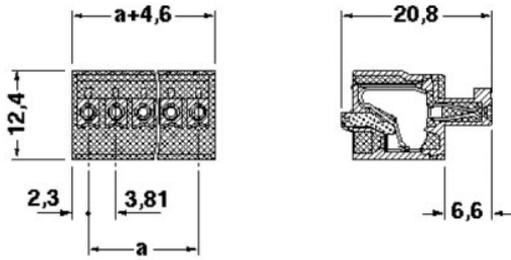
|         |             |  |
|---------|-------------|--|
| 1205037 | SZS 0,4X2,5 | Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm <sup>2</sup> connection cross section, blade: 0.4 x 2.5 mm |
|---------|-------------|--|

**Additional products**

| Item           | Designation          | Description  |
|----------------|----------------------|--|
| <b>General</b> |                      |  |
| 1897827        | EMC 1,5/ 4-G-3,81    | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Press-in                        |
| 1860663        | EMCV 1,5/ 4-G-3,81   | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Press-in                        |
| 1857906        | IMC 1,5/ 4-ST-3,81   | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Connection type: Screw connection, Color: green |
| 1803293        | MC 1,5/ 4-G-3,81     | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |
| 1908787        | MC 1,5/ 4-G-3,81 THT | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: black, Assembly: SMD/THT/THR                     |
| 1829976        | MCD 1,5/ 4-G-3,81    | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |
| 1843091        | MCD 1,5/ 4-G1-3,81   | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |
| 1830428        | MCDV 1,5/ 4-G-3,81   | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |
| 1847741        | MCDV 1,5/ 4-G1-3,81  | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |
| 1861743        | MCO 1,5/ 4-GL-3,81   | Header, Nominal current: 8 A, Nom. voltage: 125 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |
| 1861662        | MCO 1,5/ 4-GR-3,81   | Header, Nominal current: 8 A, Nom. voltage: 125 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |
| 1803442        | MCV 1,5/ 4-G-3,81    | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |
| 1837120        | MCVDU 1,5/ 4-G-3,81  | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |
| 1832756        | MCVK 1,5/ 4-G-3,81   | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Assembly: DIN rail                              |
| 1827295        | SMC 1,5/ 4-G-3,81    | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 4, Color: green, Assembly: Soldering                       |

### Diagrams/Drawings

Dimensioned drawing



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