

## MC 1,5/ 8-ST-3,81

Order No.: 1803633

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1803633>

Plug component, nominal current: 8 A, rated voltage: 160 V, pitch:  
3.81 mm, no. of positions: 8, type of connection: Screw connection

### Commercial data

EAN	4017918045944
Pack	50 Pcs.
Customs tariff	85366990
Weight/Piece	0.006011 KG
Catalog page information	Page 126 (CC-2007)

### Product notes

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



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### Technical data

#### Dimensions / positions

Height	11.1 mm
Pitch	3.81 mm
Dimension a	26.67 mm
Number of positions	8
Screw thread	M 2

Tightening torque, min	0.22 Nm
<b>Technical data</b>	
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

<b>Connection data</b>	
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>

### Certificates / Approvals



#### CSA

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	8 A
AWG/kcmil	28-16

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

### Accessories

Item	Designation	Description
<b>General</b>		
1834408	KGG-MC 1,5/ 8	Cable housing, for cable diameters of 4 - 11 mm, clamp, marker strips and transparent label carrier are included, color: green, no. of positions: 8

### Marking

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
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### 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
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### Additional products

Item	Designation	Description
<b>General</b>		
1897869	EMC 1,5/ 8-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: press in
1860702	EMCV 1,5/ 8-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: press in
1857948	IMC 1,5/ 8-ST-3,81	Plug component, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, type of connection: Screw connection
1803332	MC 1,5/ 8-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering
1908826	MC 1,5/ 8-G-3,81 THT	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: SMD / THT
1830017	MCD 1,5/ 8-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering
1843130	MCD 1,5/ 8-G1-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering
1830460	MCDV 1,5/ 8-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering
1847796	MCDV 1,5/ 8-G1-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering
1861785	MCO 1,5/ 8-GL-3,81	Header, nominal current: 8 A, rated voltage: 125 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering
1861701	MCO 1,5/ 8-GR-3,81	Header, nominal current: 8 A, rated voltage: 125 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering
1803484	MCV 1,5/ 8-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering
1837492	MCVDU 1,5/ 8-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering
1832798	MCVK 1,5/ 8-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: Mounting rail
1827334	SMC 1,5/ 8-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 8, mounting: Soldering

**Drawings**

Dimensioned drawing

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