

## MC 1,5/10-STF-3,81

Order No.: 1827787

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1827787>

Plug component, Nominal current: 8 A, Nom. voltage: 160 V,  
Pitch: 3.81 mm, Number of positions: 10, Connection type: Screw  
connection, Color: green

### Commercial data

EAN	4017918050245
Pack	50 pcs.
Customs tariff	85366990
Weight/Piece	0.00839 KG
Catalog page information	Page 143 (CC-2009)

### Product notes

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



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### Technical data

#### Dimensions / positions

Pitch	3.81 mm
Dimension a	34.29 mm
Number of positions	10
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

**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>

### 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	30-14

#### UL

Nominal voltage $U_N$	300 V
Nominal current $I_N$	8 A
AWG/kcmil	30-14

**Accessories**

Item	Designation	Description
<b>General</b>		
1834343	KGG-MC 1,5/ 2	Cable housing, Pitch: 3.81 mm, Number of positions: 2, Dimension a: 10.01 mm, Color: green
1834385	KGG-MC 1,5/ 6	Cable housing, Pitch: 3.81 mm, Number of positions: 6, Dimension a: 25.25 mm, Color: green
<b>Marking</b>		
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
<b>Tools</b>		
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

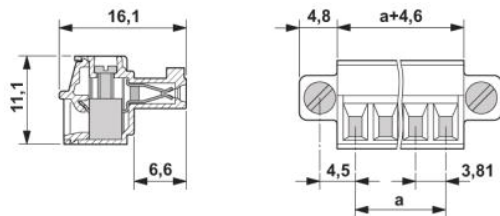
**Additional products**

Item	Designation	Description
<b>General</b>		
1829413	DFK-MC 1,5/10-GF-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Direct mounting
1897021	EMC 1,5/10-GF-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Press-in
1879366	EMCV 1,5/10-GF-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Press-in
1858112	IMC 1,5/10-STGF-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Connection type: Screw connection, Color: green
1827949	MC 1,5/10-GF-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Soldering
1909113	MC 1,5/10-GF-3,81 THT	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: black, Assembly: SMD/THT/THR
1842995	MCD 1,5/10-G1F-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Soldering
1830185	MCD 1,5/10-GF-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Soldering
1842843	MCDV 1,5/10-G1F-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Soldering

1830334	MCDV 1,5/10-GF-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Soldering
1830677	MCV 1,5/10-GF-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Soldering
1832950	MCVK 1,5/10-GF-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Assembly: DIN rail, Color: green
1833108	MCVU 1,5/10-GFD-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Assembly: Direct mounting, Color: green
1827509	SMC 1,5/10-GF-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 10, Color: green, Assembly: Soldering

### Diagrams/Drawings

#### Dimensioned drawing



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