

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

Order No.: 1803604

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1803604>

Plug component, nominal current: 8 A, rated voltage: 160 V, pitch:
3.81 mm, no. of positions: 5, type of connection: Screw connection

Commercial data

EAN	4017918045913
Pack	50 Pcs.
Customs tariff	85366990
Weight/Piece	0.003952 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	15.24 mm
Number of positions	5
Screw thread	M 2

Tightening torque, min	0.22 Nm
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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 ²
Maximum load current	8 A (with 1.5 mm ² 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 ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.5 mm ²
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 ²
2 conductors with same cross section, solid max.	0.5 mm ²

2 conductors with same cross section, stranded min.	0.08 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²

Certificates / Approvals



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

Accessories

Item	Designation	Description
General		
1834372	KGG-MC 1,5/ 5	Cable housing, for cable diameters of up to 8.5 mm, cable ties and marker strips are included, color: green, no. of positions: 5

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 ² connection cross section, blade: 0.4 x 2.5 mm
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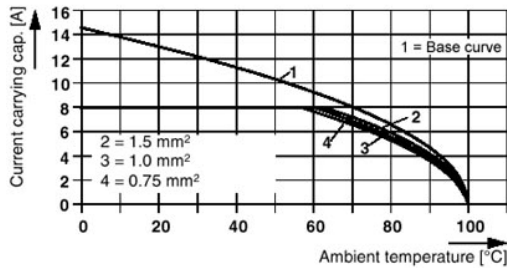
Additional products

Item	Designation	Description
General		
1897830	EMC 1,5/ 5-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Press in
1860676	EMCV 1,5/ 5-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Press in
1857919	IMC 1,5/ 5-ST-3,81	Plug component, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, type of connection: Screw connection
1803303	MC 1,5/ 5-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering
1908790	MC 1,5/ 5-G-3,81 THT	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: SMD/THT
1829989	MCD 1,5/ 5-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering
1843101	MCD 1,5/ 5-G1-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering
1830431	MCDV 1,5/ 5-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering
1847754	MCDV 1,5/ 5-G1-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering
1861756	MCO 1,5/ 5-GL-3,81	Header, nominal current: 8 A, rated voltage: 125 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering
1861675	MCO 1,5/ 5-GR-3,81	Header, nominal current: 8 A, rated voltage: 125 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering
1803455	MCV 1,5/ 5-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering
1837463	MCVDU 1,5/ 5-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering
1832769	MCVK 1,5/ 5-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Mounting rail
1827305	SMC 1,5/ 5-G-3,81	Header, nominal current: 8 A, rated voltage: 160 V, pitch: 3.81 mm, no. of positions: 5, mounting: Soldering

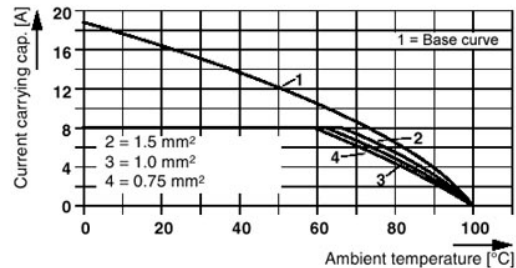
Drawings

Diagram

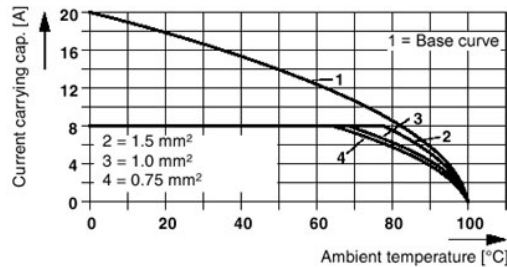
Plug: MC 1,5/5-ST(F)-3,81
 Header: MCD(V)1,5/5-G(F)-3,81



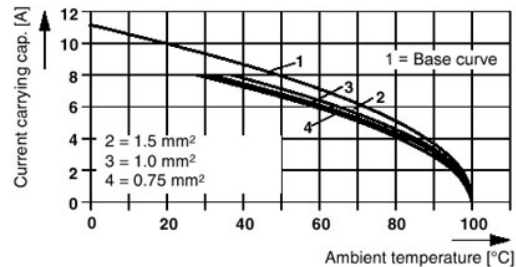
Plug: MC 1,5/5-ST(F)-3,81
 Header: MCD(V) 1,5/5-G1(F)-3,81



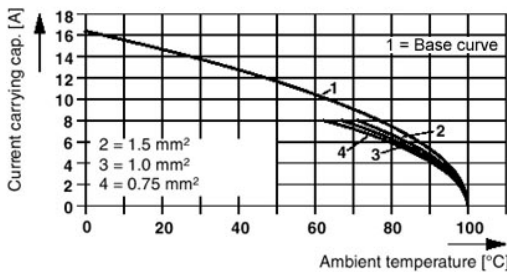
Plug: MC 1,5/5-ST(F)-3,81(3,5)
 Header: MC(V) 1,5/5-G(F)-3,81(3,5)



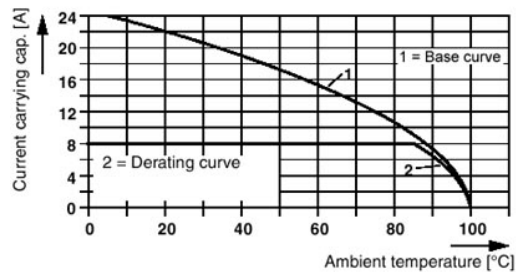
Plug: MC 1,5/5-ST(F)-3,81(3,5)
 Header: EMC 1,5/5-G(F)-3,81(3,5)



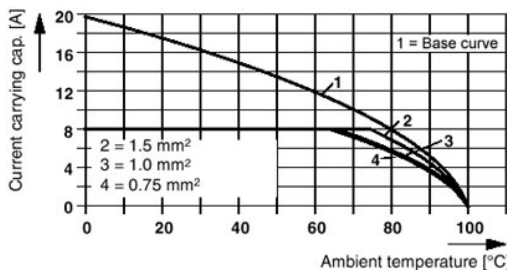
Plug: MC 1,5/5-ST(F)-3,81(3,5)
 Header: EMCV 1,5/5-G(F)-3,81(3,5)



Plug: MC 1,5/5-G(F)-3,81
 Header: IMC(V) 1,5/5-G(F)-3,81



Plug: MC 1,5/5-ST(F)-3,81
 Header: SMC 1,5/5-G(F)-3,81



Dimensioned drawing

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