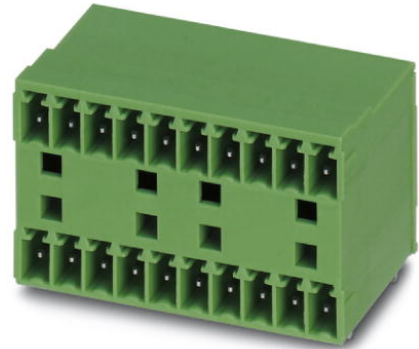


MCD 1,5/ 5-G1-3,81

Order No.: 1843101

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1843101>

Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm,
Number of positions: 5, Color: green, Assembly: Soldering

Commercial data

EAN	4017918112295
Pack	50 pcs.
Customs tariff	85366990
Weight/Piece	0.00667 KG
Catalog page information	Page 183 (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	3.81 mm
Dimension a	15.24 mm
Number of positions	5
Pin dimensions	0,8 x 0,8 mm
Hole diameter	1.2 mm

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)	250 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal voltage U_N	160 V
Maximum load current	8 A
Insulating material	PA
Inflammability class acc. to UL 94	V0

Certificates / Approvals



Certification

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

CSA

Nominal voltage U_N	300 V
Nominal current I_N	8 A

CUL

Nominal voltage U_N	300 V
Nominal current I_N	8 A

UL

Nominal voltage U_N	300 V
Nominal current I_N	8 A

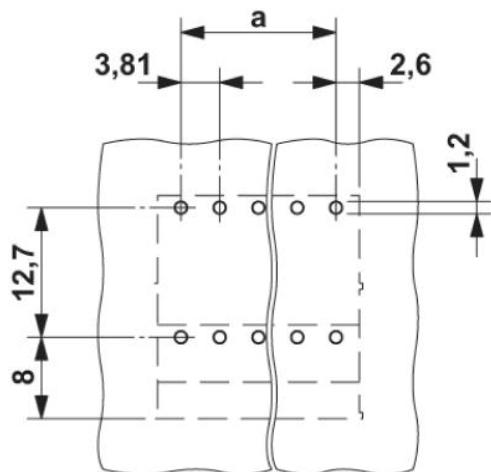
Accessories

Item	Designation	Description
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
Plug/Adapter		
1734634	CP-MSTB	Keying profile, is inserted into the slot on the plug or inverted header, red insulating material

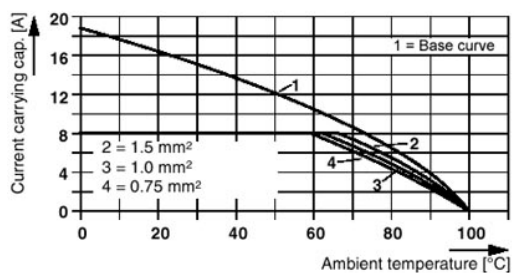
Additional products

Item	Designation	Description
General		
1851070	FK-MCP 1,5/ 5-ST-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 5, Connection type: Spring-cage conn., Color: green
1850699	FRONT-MC 1,5/ 5-ST-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 5, Connection type: Screw connection, Color: green
1862603	IMC 1,5/ 5-G-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 5, Color: green, Assembly: Soldering
1875454	IMCV 1,5/ 5-G-3,81	Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 5, Color: green, Assembly: Soldering
1803604	MC 1,5/ 5-ST-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 5, Connection type: Screw connection, Color: green
1852202	MCC 1/ 5-STZ-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 5, Connection type: Crimp connection, Color: green
1827156	MCVR 1,5/ 5-ST-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 5, Connection type: Screw connection, Color: green
1827004	MCVW 1,5/ 5-ST-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 5, Connection type: Screw connection, Color: green
1897429	QC 0,5/ 5-ST-3,81	Plug component, Nominal current: 6 A, Nom. voltage: 320 V, Pitch: 3.81 mm, Number of positions: 5, Connection type: Insulation displacement connection QUICKON, Color: green

Drilling plan/solder pad geometry



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



The technical drawing shows two views of the connector assembly:

- Side View (Left):** Shows the profile of the connector. Dimensions include a total width of 31,4 mm, an internal width of 21,9 mm, a height of 26,4 mm, a mounting hole diameter of 8 mm, a distance from the hole to the center of the contact pins of 12,7 mm, a pin thickness of 3,5 mm, and a contact length of 22,7 mm.
- Front View (Right):** Shows the top-down view of the contact pins. It indicates a pitch between pins of $a + 5,2$ mm, a pin diameter of 2,6 mm, and a distance from the edge to the first pin of 3,81 mm. The variable a represents the base pitch.

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