



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## DFK-MC 1,5/ 8-GF-3,81

Order No.: 1827596

The illustration shows a 16-position version



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1827596>

Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Color: green, Assembly: Direct mounting

### Commercial data

EAN	4017918050153
Pack	50 pcs.
Customs tariff	85366990
Weight/Piece	0.00604 KG
Catalog page information	Page 188 (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	26.67 mm
Number of positions	8

### 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
Insulating material	PA
Inflammability class acc. to UL 94	V0
Max. current slip-on connection	8 A
Dimensions of slip-on connection	2.8 x 0.8 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 AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16

## Certificates / Approvals



Certification

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

### CSA

Nominal voltage $U_N$	150 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
<b>Assembly</b>		
0710015	DFK-MC SS	Screw set, for securing the header to the housing wall, consists of M2 x 8 screw, spring washer and nut, 1 piece each

### 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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### Plug/Adapter

1734634	CP-MSTB	Keying profile, is inserted into the slot on the plug or inverted header, red insulating material
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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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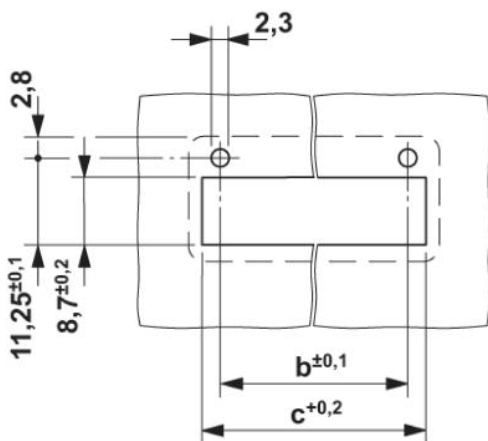
### Additional products

Item	Designation	Description
<b>General</b>		
1851290	FK-MCP 1,5/ 8-STF-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Spring-cage conn., Color: green
1850916	FRONT-MC 1,5/ 8-STF-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Screw connection, Color: green

1827761	MC 1,5/ 8-STF-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Screw connection, Color: green
1852422	MCC 1/ 8-STZF-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Crimp connection, Color: green
1828401	MCVR 1,5/ 8-STF-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Screw connection, Color: green
1828553	MCVW 1,5/ 8-STF-3,81	Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Screw connection, Color: green
1897607	QC 0,5/ 8-STF-3,81	Plug component, Nominal current: 6 A, Nom. voltage: 320 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Insulation displacement connection QUICKON, Color: green

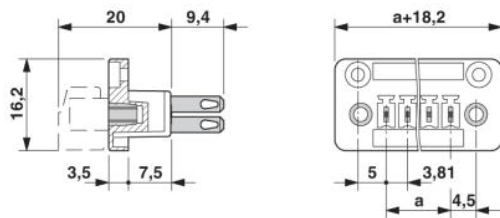
**Diagrams/Drawings**

Drilling plan/solder pad geometry



Dimension b = 6.19 mm + (no. of pos. x 3.81 mm)  
 Dimension c = Dim. b + 4.7 mm

Dimensioned drawing



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



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