

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#)  
[1850848](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

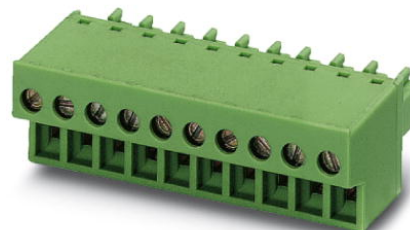


Extract from the online catalog

## FRONT-MC 1,5/20-ST-3,81


Order No.: 1850848

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1850848>

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 20, Pitch: 3.81 mm, Color: green, Metal surface: Sn

Commercial data	
GTIN (EAN)	 4 017918 109813
Note	Made-to-order
sales group	E101
Pack	50 pcs.
Customs tariff	85366990
Catalog page information	Page 83 (CC-2005)

### Product notes

WEEE/RoHS-compliant since:  
11/17/2005



<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	72.39 mm
Number of positions	20
Screw thread	M2

FRONT-MC 1,5/20-ST-3,81 Order No.: 1850848

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1850848>

Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

**Technical data**

Range of articles	FRONT-MC 1,5/..-ST
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	9 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	8 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	8 A

**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>

FRONT-MC 1,5/20-ST-3,81 Order No.: 1850848

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1850848>

Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.14 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.	0.14 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>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	16

### Certificates / Approvals



Certification

CB, CSA, CUL, UL, VDE-PZI

### Accessories

Item	Designation	Description
<b>Marking</b>		
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
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
0805056	SK 3,81/2,8:SO	Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 14 identical marker strips per card, max. 25-position labeling per strip, color: White

FRONT-MC 1,5/20-ST-3,81 Order No.: 1850848

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1850848>

0803883	SK U/2,8 WH:UNBEDRUCKT	Kennzeichnungskarten unbedruckt, DIN A4-Format, freie Rastereinteilung, selbstklebend, mit 50 vorgestanzten Kennzeichnungstreifen, 185 mm Streifenlänge, beschriftbar mit dem CMS-System oder manuell mit dem B-STIFT oder X-PEN
---------	------------------------	--

**Tools**

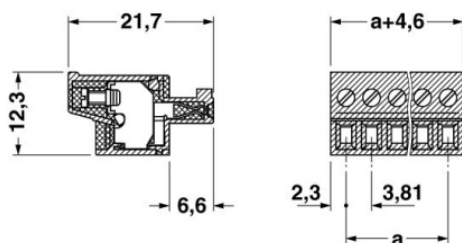
1205037	SZS 0,4X2,5 VDE	Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip
---------	-----------------	---

**Additional products**

Item	Designation	Description
<b>General</b>		
1841271	MC 1,5/20-G-3,81	Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 20, Pitch: 3.81 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1844922	MCV 1,5/20-G-3,81	Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 20, Pitch: 3.81 mm, Color: green, Metal surface: Sn, Assembly: Soldering

**Diagrams/Drawings**

Dimensioned drawing



FRONT-MC 1,5/20-ST-3,81 Order No.: 1850848

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1850848>

---

#### Address

PHOENIX CONTACT Deutschland GmbH  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact  
Technical modifications reserved;