



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



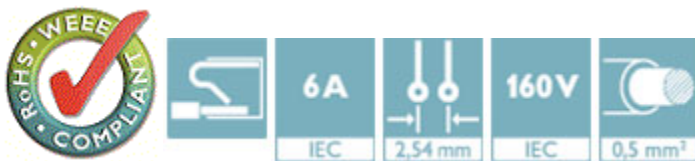
## Printed-circuit board connector - FMC 0,5/ 7-ST-2,54 - 1821148

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 7, Pitch: 2.54 mm, Connection method: Push-in spring connection, Color: black, Contact surface: Gold



The figure shows a 10-position version of the product



### Key Commercial Data

Packing unit	1 STK
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Environmental Product Compliance

China RoHS	No hazardous substances above threshold values
------------	--

#### Dimensions

Length	14 mm
Height	5.35 mm
Width	18.28 mm
Pitch	2.54 mm
Dimension a	15.24 mm

#### General

Range of articles	FMC 0,5/..-ST
Type of contact	Female connector
Number of positions	7
Connection method	Push-in spring connection

# Printed-circuit board connector - FMC 0,5/ 7-ST-2,54 - 1821148

## Technical data

### General

Insulating material group	IIIa
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/3)	32 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	160 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	6 A
Nominal cross section	0.5 mm <sup>2</sup>
Insulating material	LCP
Flammability rating according to UL 94	V0
Stripping length	7 mm

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	0.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.34 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.25 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20

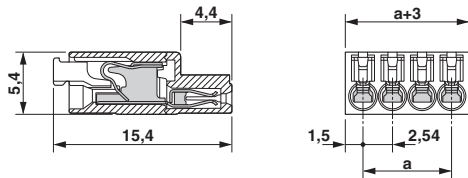
### Standards and Regulations

Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

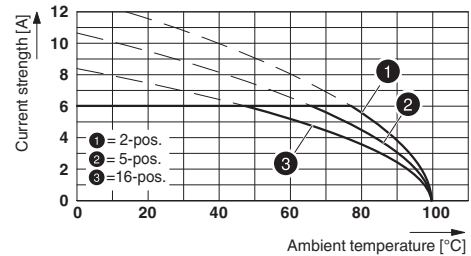
## Drawings

# Printed-circuit board connector - FMC 0,5/ 7-ST-2,54 - 1821148

Dimensional drawing

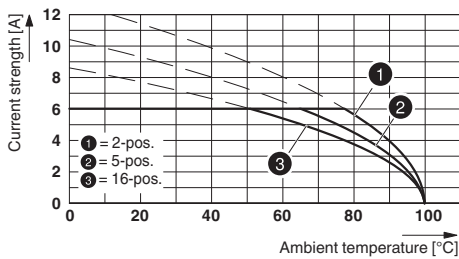


Diagram



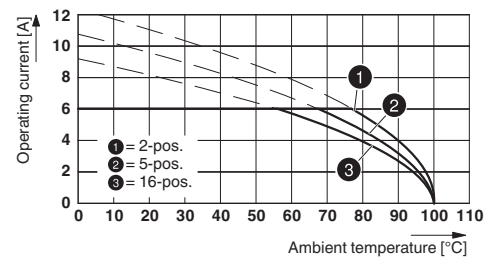
Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..

Diagram



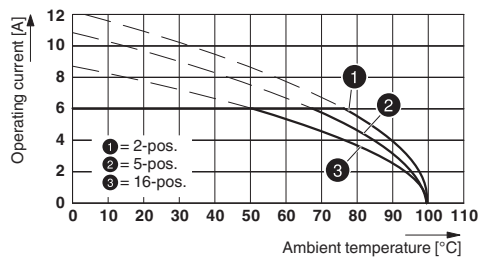
Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

Diagram



Type FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 SMD R..

Diagram



Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 SMD R..

## Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101



# Printed-circuit board connector - FMC 0,5/ 7-ST-2,54 - 1821148

## Classifications

### eCl@ss

eCl@ss 7.0	27440402
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002638

### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

### Approvals

#### Approvals

cULus Recognized / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / EAC


#### Ex Approvals


## Approval details

cULus Recognized <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E60425-19920306		
	B	C
mm <sup>2</sup> /AWG/kcmil	26-20	26-20
Nominal current I <sub>N</sub>	6 A	6 A
Nominal voltage U <sub>N</sub>	150 V	50 V

# Printed-circuit board connector - FMC 0,5/ 7-ST-2,54 - 1821148

## Approvals

VDE Gutachten mit Fertigungsüberwachung  <a href="http://www.vde.de">http://www.vde.de</a> 40042258	
mm <sup>2</sup> /AWG/kcmil	0.14-0.5
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	160 V

IECEE CB Scheme  <a href="http://www.iecee.org/">http://www.iecee.org/</a> DE1-55663-B1	
mm <sup>2</sup> /AWG/kcmil	0.14-0.5
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	160 V

EAC B.01742
-------------

## Accessories

### Accessories

#### Connector

Ferrule - A 0,25- 7 - 3202478



Ferrule, Length: 7 mm, Color: silver

Ferrule - A 0,34- 7 - 3009202



Ferrule, Length: 7 mm, Color: silver

#### Crimping tool

## Printed-circuit board connector - FMC 0,5/ 7-ST-2,54 - 1821148

### Accessories

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

---

### Labeled terminal marker

Marker card - SK 2,54/2,8:FORTL.ZAHLEN - 0804853



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, for terminal block width: 2.54 mm, Lettering field: 2.54 x 2.8 mm

---

### Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

---

### Additional products

Printed-circuit board connector - MC 0,5/ 7-G-2,54 P20 THR R44 - 1821290

Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 7, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: THR soldering, Sample values available under SAMPLE MC...



## Printed-circuit board connector - FMC 0,5/ 7-ST-2,54 - 1821148

### Accessories

Printed-circuit board connector - MCV 0,5/ 7-G-2,54 P20 THR R44 - 1821449



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 7, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: THR soldering, Sample values available under SAMPLE MC...

Printed-circuit board connector - MCV 0,5/ 7-G-2,54 SMD R44 - 1821591



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 7, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: SMD soldering, Sample values available under SAMPLE MC...

Printed-circuit board connector - MC 0,5/ 7-G-2,54 SMD R44 - 1821740



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 7, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: SMD soldering, Sample values available under SAMPLE MC...