

# Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 - 1821122

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: 5, Pitch: 2.54 mm, Connection method: Spring-cage connection, Color: black, Contact surface: Gold



The figure shows a 10-position version of the product



## Key commercial data

Packing unit	200 pc
GTIN	 4 046356 789288
Weight per Piece (excluding packing)	1.3 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### Dimensions

Length	15.4 mm
Height	5.4 mm
Width	13.16 mm
Pitch	2.54 mm
Dimension a	10.16 mm

### General

Range of articles	FMC 0,5/...-ST
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

# Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 - 1821122

## Technical data

### General

Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	6 A
Nominal cross section	0.5 mm <sup>2</sup>
Insulating material	LCP
Inflammability class according to UL 94	V0
Stripping length	7 mm
Number of positions	5

### 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 stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	0.5 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.	0.34 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.25 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	20

## 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
eCl@ss 7.0	27440402
eCl@ss 8.0	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

# Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 - 1821122

## Classifications

### UNSPSC

UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## 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

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

## Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 - 1821122

### Accessories

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

Base strip - MC 0,5/ 5-G-2,54 P20 THR R44 - 1821274



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components

Base strip - MCV 0,5/ 5-G-2,54 P20 THR R44 - 1821423



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components

Base strip - MC 0,5/ 5-G-2,54 SMD R24 - 1821724



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components

Base strip - MCV 0,5/ 5-G-2,54 SMD R44 - 1821575



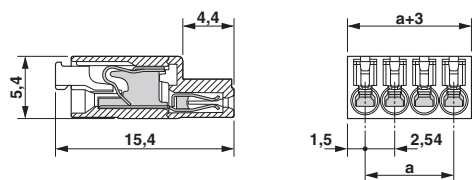
Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components

---

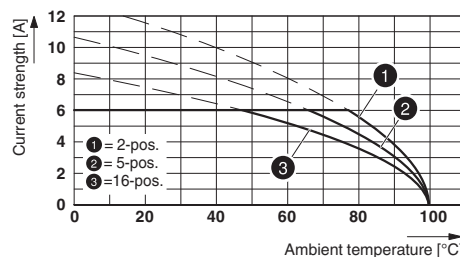
### Drawings

# Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 - 1821122

Dimensioned drawing

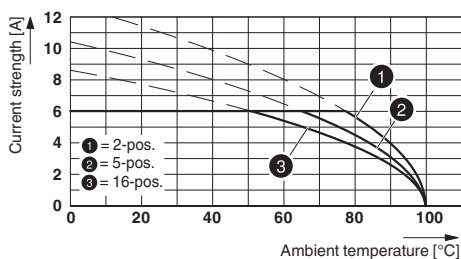


Diagram



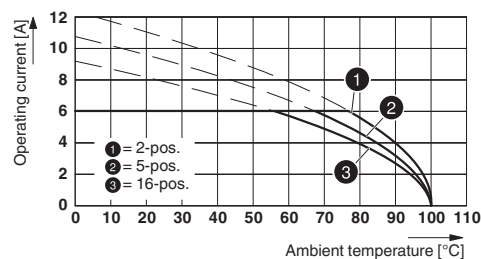
Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..

Diagram



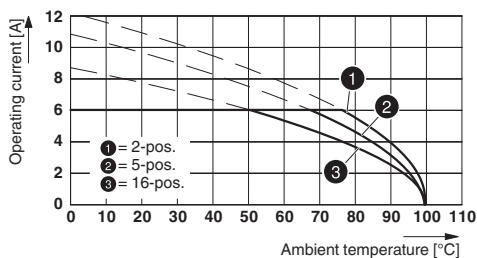
Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

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..