

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

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Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, 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 pc
Weight per Piece (excluding packing)	1.3 g
Custom tariff number	85366990
Country of origin	Germany

### 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

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## Technical data

### General

Rated voltage (II/2)	160 V
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
Flammability rating 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 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

## 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
eCl@ss 9.0	27440309

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## Classifications

### 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

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

EAC
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cULus Recognized		
	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

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## Approvals

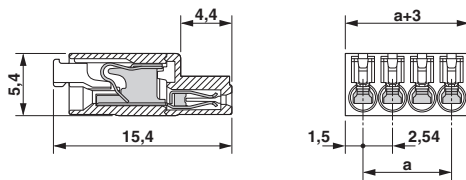
VDE Gutachten mit Fertigungsüberwachung	
mm <sup>2</sup> /AWG/kcmil	0.14-0.5
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	160 V

IECEE CB Scheme	
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

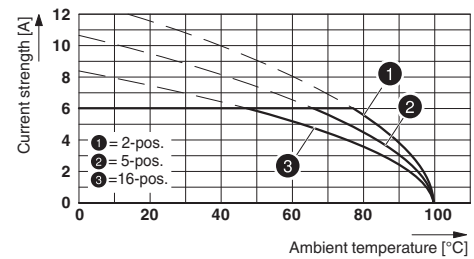
EAC
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## Drawings

Dimensional drawing



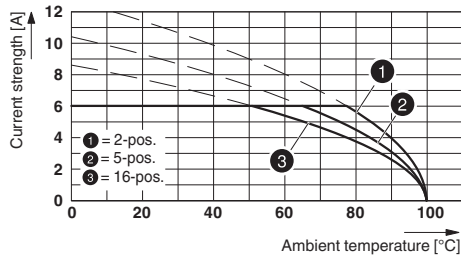
Diagram



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

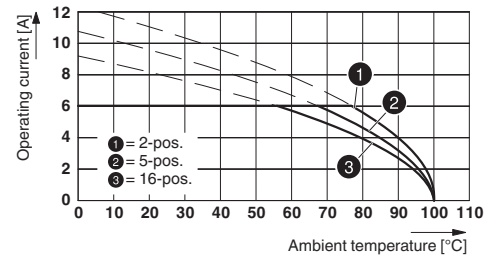
# Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 - 1821122

Diagram



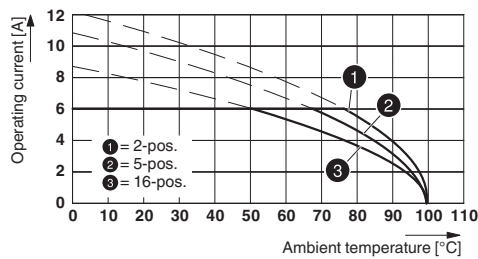
Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

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..