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_N	6 A
Nominal cross section	0.5 mm²
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 mm²
Conductor cross section solid max.	0.5 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.34 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.25 mm²
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

ETIM

ETIM 3.0	EC001121

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Classifications

ETIM

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

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

Ex Approvals

Approvals submitted

Approval details

EAC

cULus Recognized		
	B	C
mm²/AWG/kcmil	26-20	26-20
Nominal current IN	6 A	6 A
Nominal voltage UN	150 V	50 V

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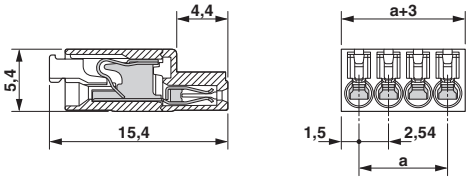
Approvals

VDE Gutachten mit Fertigungsüberwachung	
mm²/AWG/kcmil	0.14-0.5
Nominal current IN	6 A
Nominal voltage UN	160 V

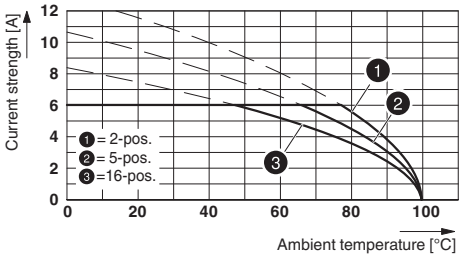
IECEE CB Scheme	
mm²/AWG/kcmil	0.14-0.5
Nominal current IN	6 A
Nominal voltage UN	160 V

Drawings

Dimensional drawing

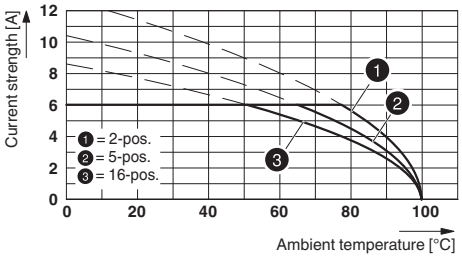


Diagram



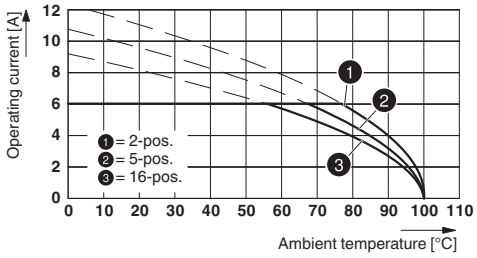
Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..

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..

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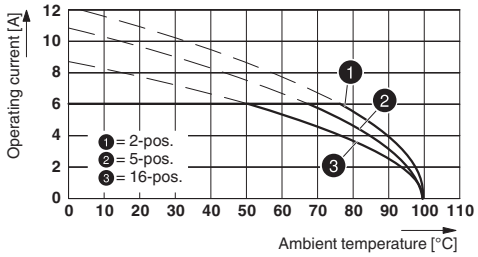
Diagram



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