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

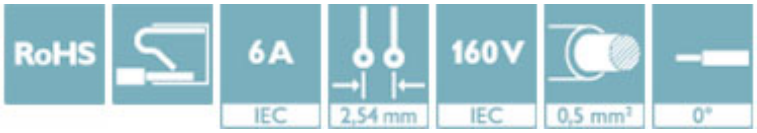
Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

PCB connector, 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

Why buy this product

- Gold-plated contacts ensure transfer quality remains stable over the long term
- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Intuitive use through colour coded actuation lever
- Optimized for tight installation situations: operation and conductor connection from one direction



Key Commercial Data

Packing unit	200 STK
GTIN	4 046356 789288
GTIN	4046356789288

Technical data

Dimensions

Length [l]	15.85 mm
Width [w]	13.2 mm
Height [h]	5.35 mm
Pitch	2.54 mm
Dimension a	10.16 mm

General

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

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

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 mm²
Insulating material	LCP
Flammability rating according to UL 94	V0
Stripping length	7 mm

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

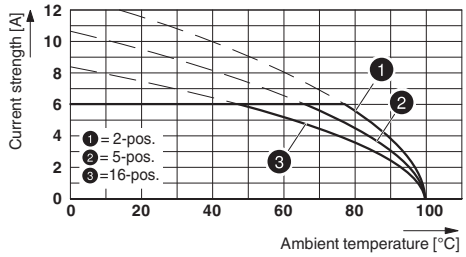
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

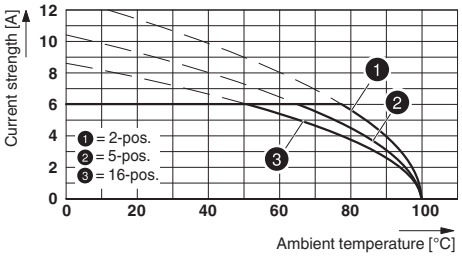
Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 - 1821122

Diagram



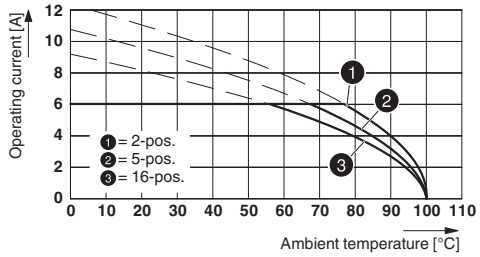
Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..

Diagram



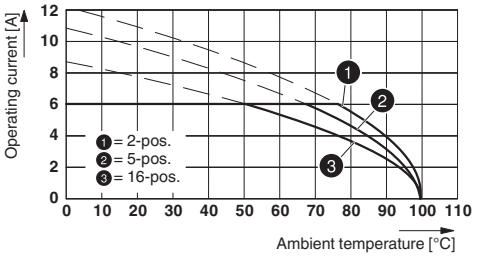
Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

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..

Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

cULus Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19920306

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

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

Approvals

VDE Gutachten mit Fertigungsüberwachung	VDE	http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40042258

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

IECEE CB Scheme	CB scheme	http://www.iecee.org/	DE1-55663-B1

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

EAC	EAC	B.01742

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com