

Printed-circuit board connector - FMC 0,5/ 9-ST-2,54 - 1821164

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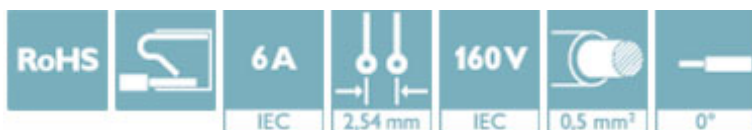
PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold



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	100 STK
GTIN	
GTIN	4046356789325

Technical data

Dimensions

Length [l]	15.85 mm
Width [w]	23.36 mm
Height [h]	5.35 mm
Pitch	2.54 mm
Dimension a	20.32 mm

General

Range of articles	FMC 0,5/...-ST
Type of contact	Female connector
Number of positions	9
Connection method	Push-in spring connection

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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 ²
Insulating material	LCP
Flammability rating according to UL 94	V0
Stripping length	7 mm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	0.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.34 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.25 mm ²
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

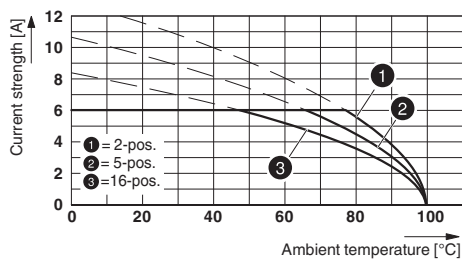
Environmental Product Compliance

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

Drawings

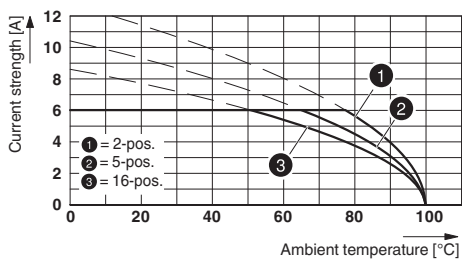
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Diagram



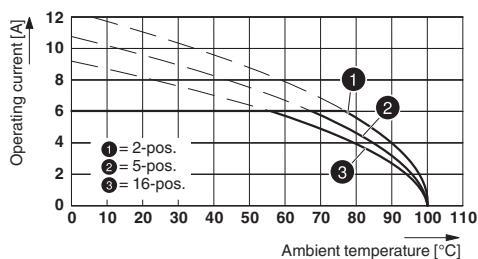
Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..

Diagram



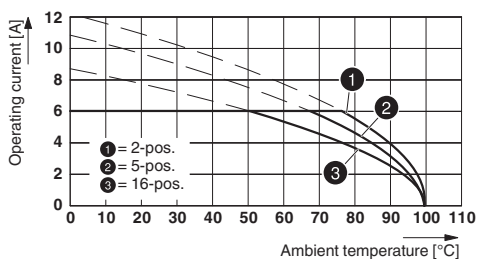
Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

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 / IECEx 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	
mm²/AWG/kcmil	26-20	26-20	
Nominal current I _N	6 A	6 A	
Nominal voltage U _N	150 V	50 V	

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Approvals

VDE Gutachten mit Fertigungsüberwachung			40042258
mm²/AWG/kcmil	0.14-0.5		
Nominal current I _N	6 A		
Nominal voltage U _N	160 V		

IECEE CB Scheme			http://www.iecee.org/	DE1-55663-B1
mm²/AWG/kcmil	0.14-0.5			
Nominal current I _N	6 A			
Nominal voltage U _N	160 V			

EAC		B.01742
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