

Printed-circuit board connector - FMC 1,5/16-ST-3,81 - 1748118

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PCB connector, nominal current: 8 A, number of positions: 16, pitch: 3.81 mm, connection method: Push-in spring connection, color: green, contact surface: Tin




The figure shows a 10-position version of the product

Your advantages

- ✓ 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
- ✓ Operation and conductor connection from one direction enable integration into front of device



Key Commercial Data

Packing unit	50 pc
GTIN	 4 046356 311151
GTIN	4046356311151

Technical data

Dimensions

Length [l]	21.9 mm
Width [w]	61.4 mm
Height [h]	7.75 mm
Pitch	3.81 mm
Dimension a	57.15 mm

General

Range of articles	FMC 1,5/...-ST
Number of positions	16
Connection method	Push-in spring connection
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV

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Technical data

General

Rated surge voltage (III/2)	2.5 kV
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Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	8 A
Nominal cross section	1.5 mm ²
Maximum load current	8 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	10 mm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1.5 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.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	16

Specifications for ferrules

Recommended crimping pliers	1212034 CRIMPFOX 6
Ferrules without insulating collar, according to DIN 46228-1	Cross section: 0.25 mm ² ; Length: 7 mm
	Cross section: 0.34 mm ² ; Length: 7 mm
	Cross section: 0.5 mm ² ; Length: 8 mm ... 10 mm
	Cross section: 0.75 mm ² ; Length: 8 mm ... 10 mm
	Cross section: 1 mm ² ; Length: 8 mm ... 10 mm
	Cross section: 1.5 mm ² ; Length: 10 mm

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

Printed-circuit board connector - FMC 1,5/16-ST-3,81 - 1748118

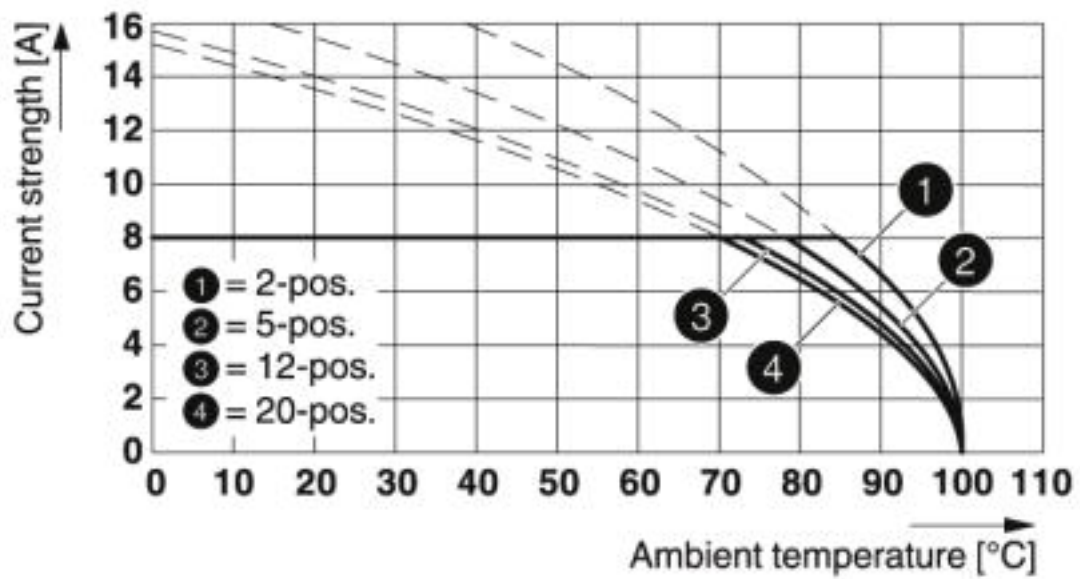
Technical data

Environmental Product Compliance

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

Drawings

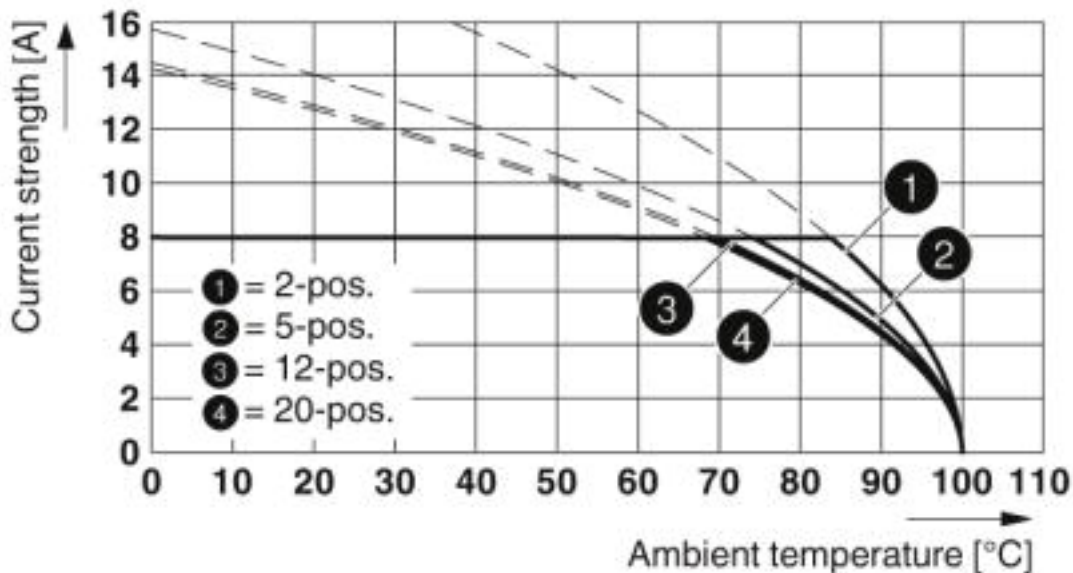
Diagram



Type: FMC 1,5/...-ST-3,81 with MCV 1,5/...-G-3,81

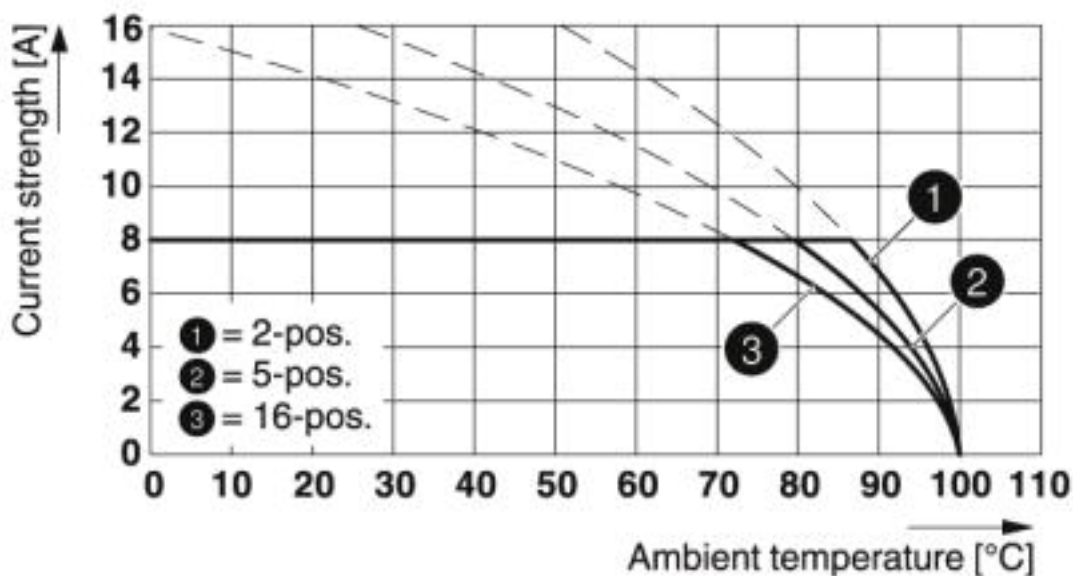
Printed-circuit board connector - FMC 1,5/16-ST-3,81 - 1748118

Diagram



Type: FMC 1,5/...-ST-3,81 with MC 1,5/...-G-3,81

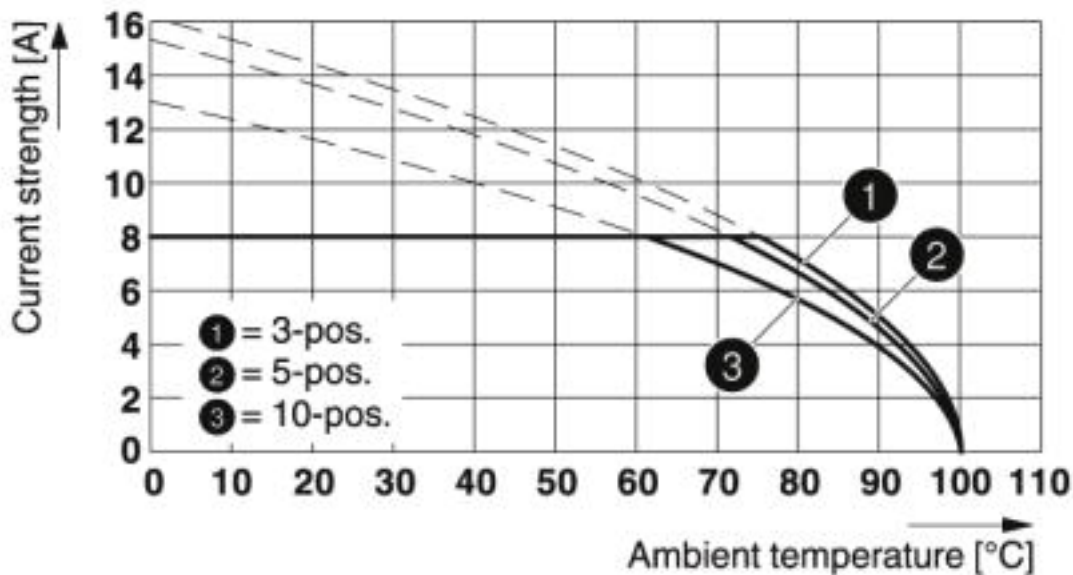
Diagram



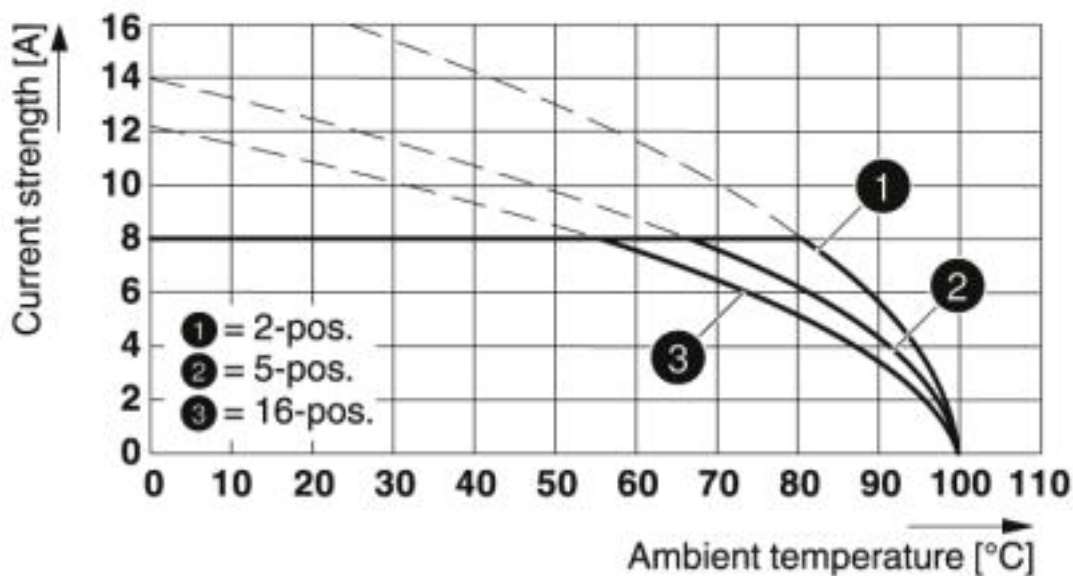
Type: FMC 1,5/...-ST-3,81 with SMC 1,5/...-G-3,81

Printed-circuit board connector - FMC 1,5/16-ST-3,81 - 1748118

Diagram



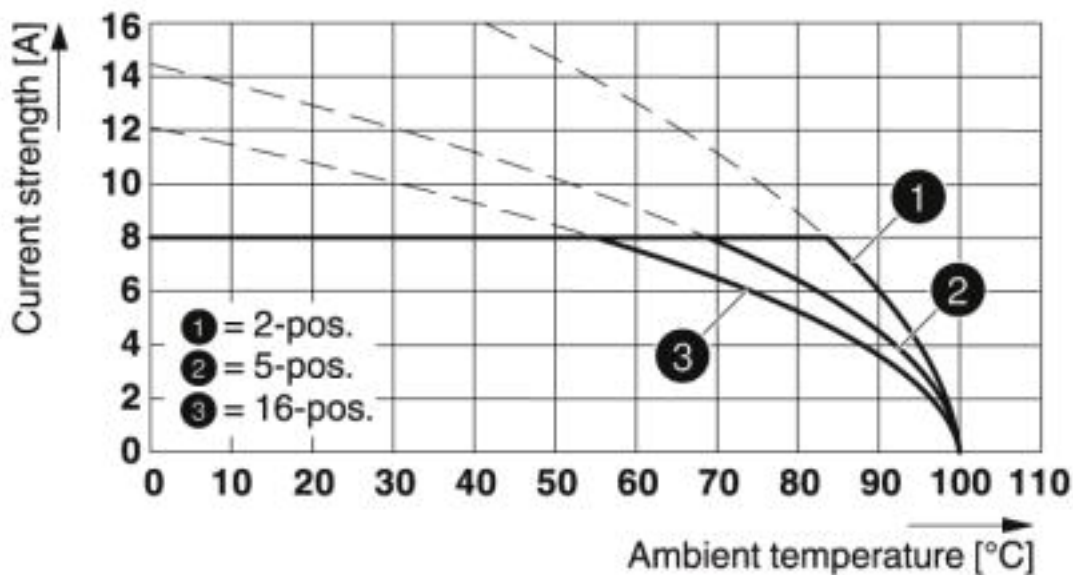
Diagram



Type: FMC 1,5/...-ST-3,81 with MCD 1,5/...-G-3,81

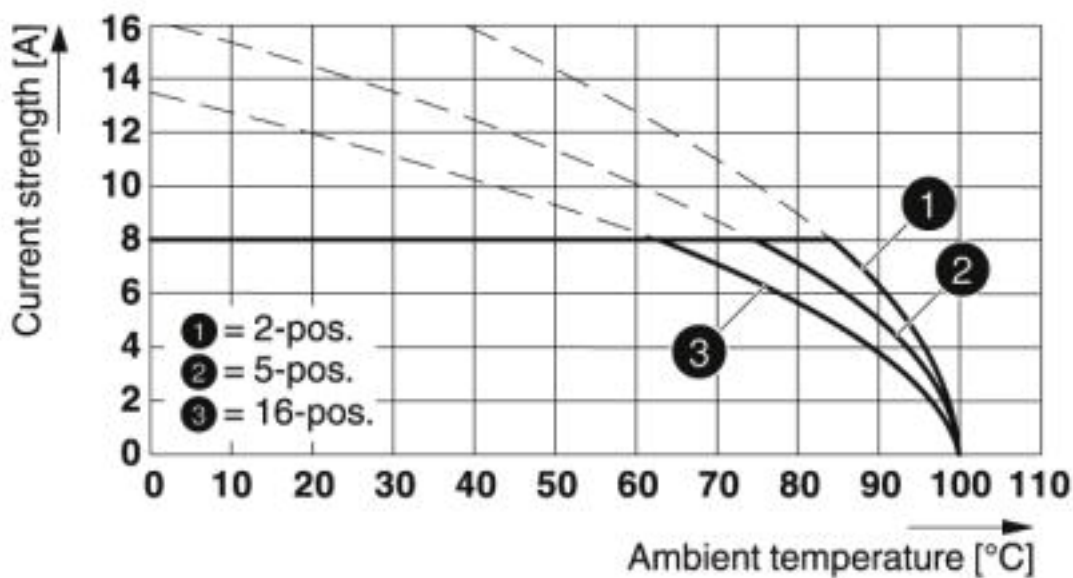
Printed-circuit board connector - FMC 1,5/16-ST-3,81 - 1748118

Diagram



Type: FMC 1,5/...-ST-3,81 with MCD 1,5/...-G1-3,81

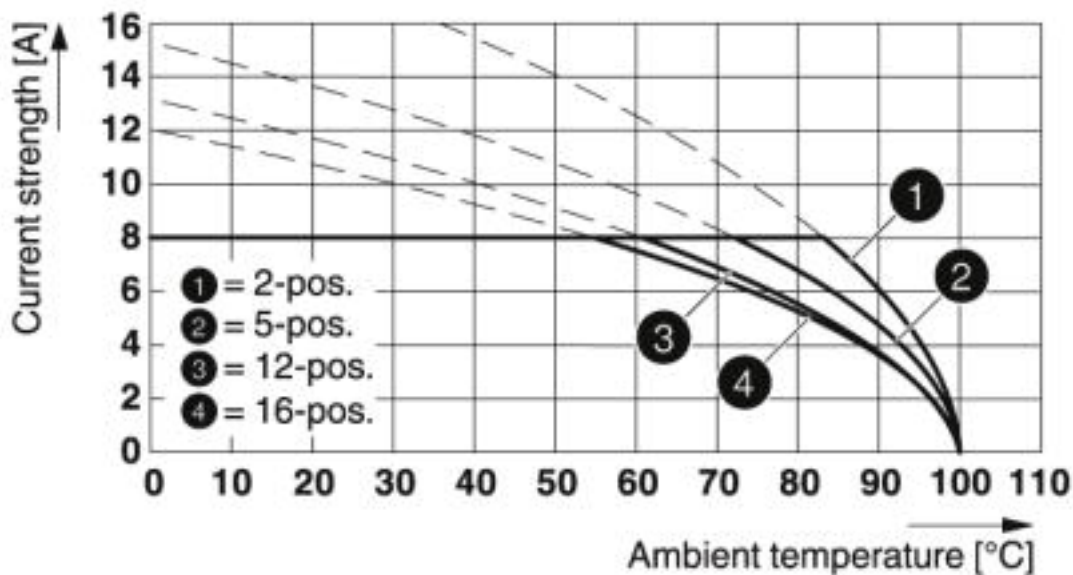
Diagram



Type: FMC 1,5/...-ST-3,81 with MCDV 1,5/...-G-3,81

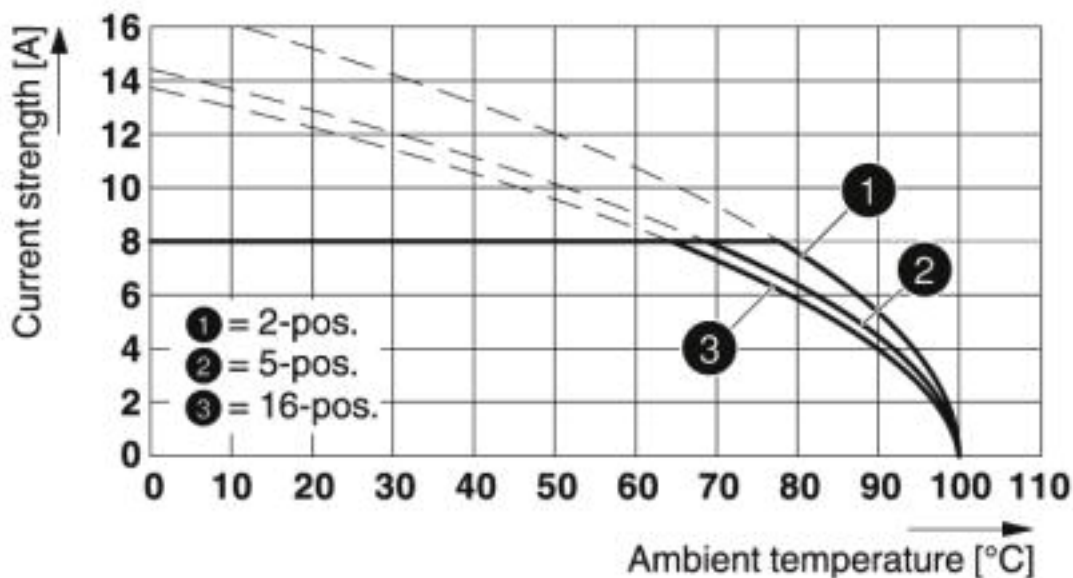
Printed-circuit board connector - FMC 1,5/16-ST-3,81 - 1748118

Diagram



Type: FMC 1,5/...-ST-3,81 with MCDV 1,5/...-G1-3,81

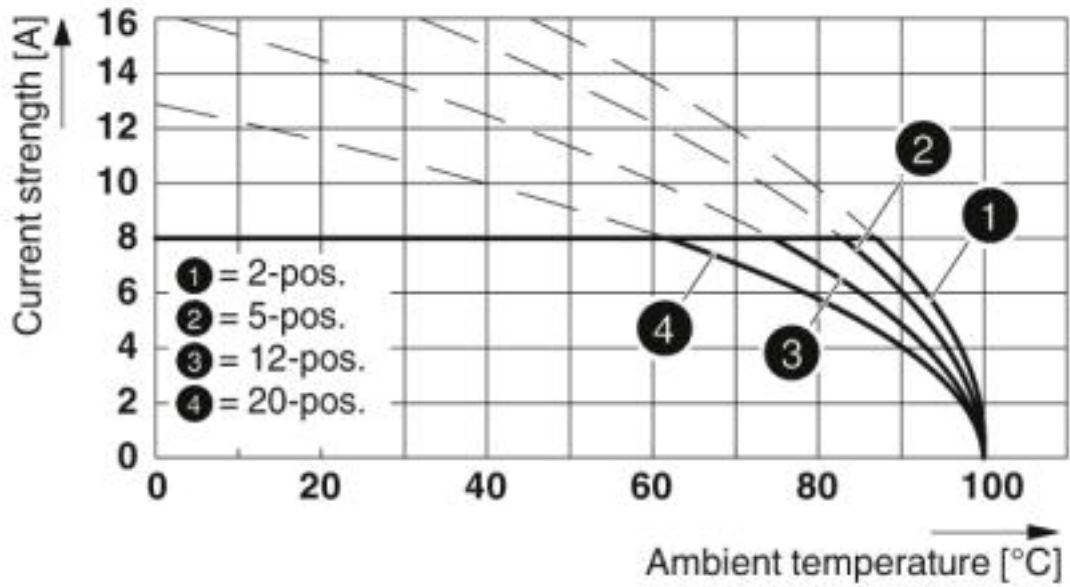
Diagram



Type: FMC 1,5/...-ST-3,81 with MCVU 1,5/...-GFD-3,81

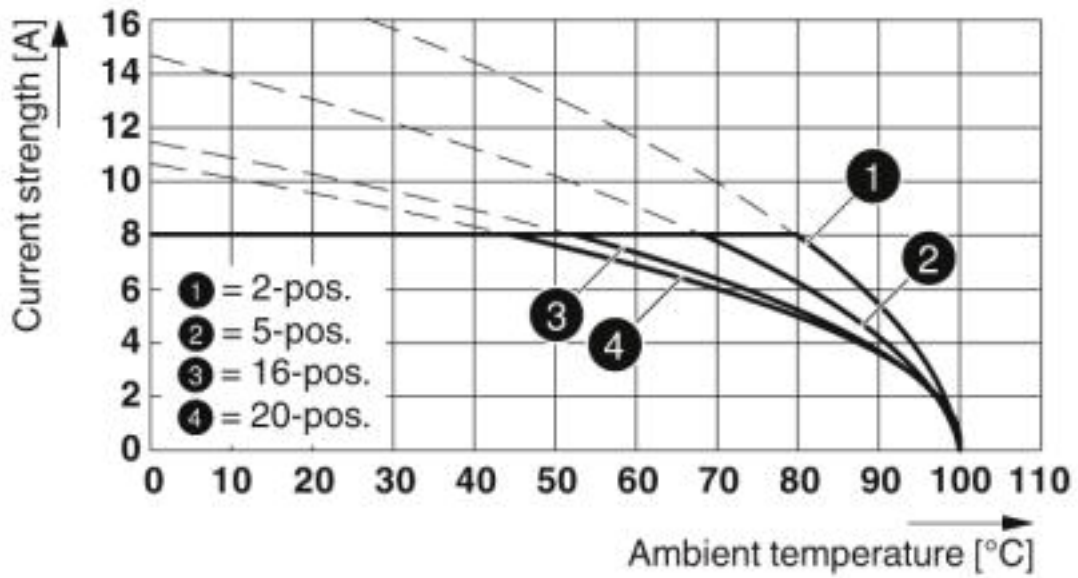
Printed-circuit board connector - FMC 1,5/16-ST-3,81 - 1748118

Diagram



Type: FMC 1,5/...-ST-3,81 with MCV 1,5/...-G-3,81 P.. THR

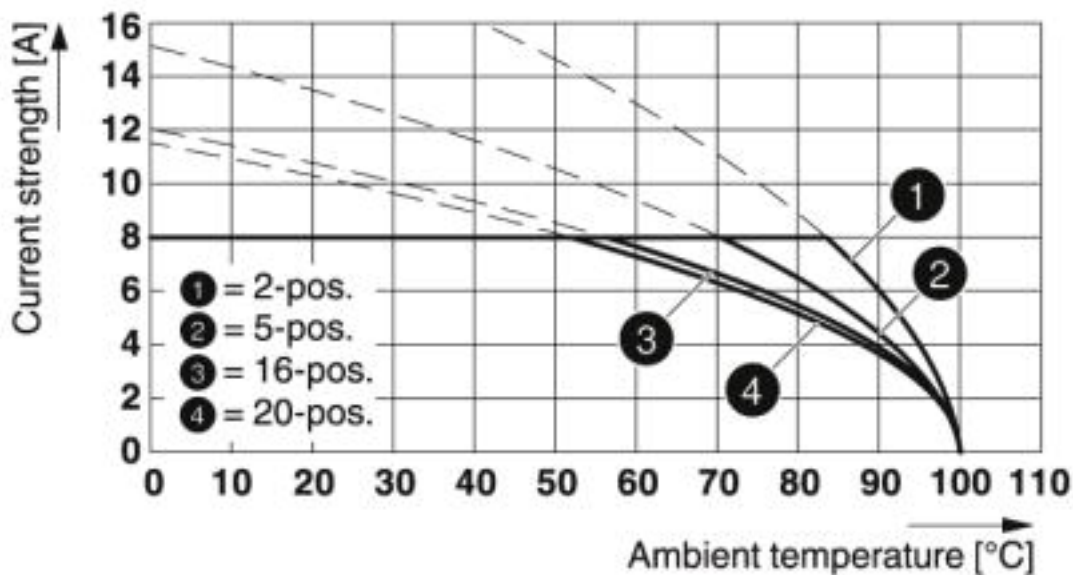
Diagram



Type: FMC 1,5/...-ST-3,81 with MCDN 1,5/...-G1-3,81 P...THR

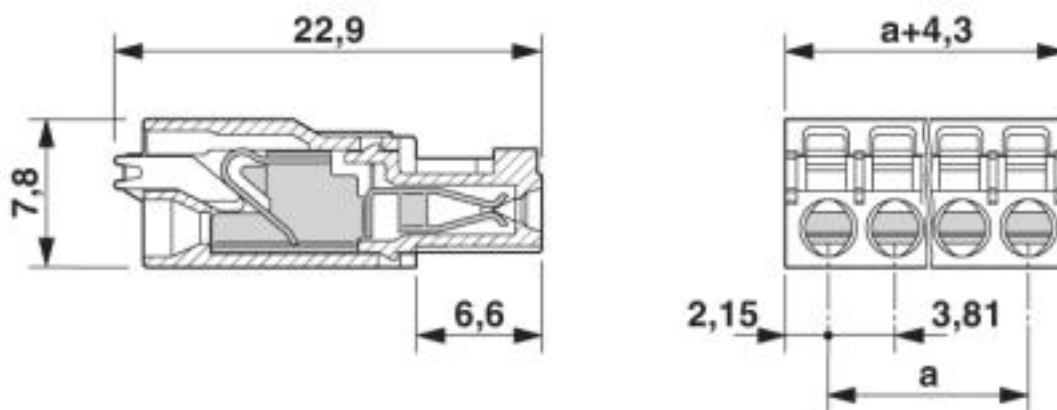
Printed-circuit board connector - FMC 1,5/16-ST-3,81 - 1748118

Diagram



Type: FMC 1,5/...-ST-3,81 with MCDNV 1,5/...-G1-3,81 P...THR

Dimensional drawing



Approvals

Approvals

Approvals

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

Ex Approvals

Printed-circuit board connector - FMC 1,5/16-ST-3,81 - 1748118

Approvals

Approval details

IECEE CB Scheme		http://www.iecee.org/	DE1-60987-B1B2
Nominal voltage UN	160 V		
Nominal current IN	8 A		
mm ² /AWG/kcmil	0.2-1.5		

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40011723
Nominal voltage UN	160 V		
Nominal current IN	8 A		
mm ² /AWG/kcmil	0.2-1.5		

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19920306
	B	C	
Nominal voltage UN	300 V	50 V	
Nominal current IN	8 A	8 A	
mm ² /AWG/kcmil	24-16	24-16	

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