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Printed-circuit board connector - FMC 0,5/ 3-ST-2,54 - 1821106

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Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 3, 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	200 STK
GTIN	 4 046356 789165

Technical data

Dimensions

Length	15.4 mm
Height	5.4 mm
Width	8.08 mm
Pitch	2.54 mm
Dimension a	5.08 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
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
Maximum load current	6 A
Insulating material	LCP
Flammability rating according to UL 94	V0

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Technical data

General

Stripping length	7 mm
Number of positions	3

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

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
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

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Approvals

Approvals

Approvals


cULus Recognized / VDE Gutachten mit Fertigungsüberwachung / IEC60335 CB Scheme


Ex Approvals

Approvals submitted

Approval details

cULus Recognized		
	B	C
mm ² /AWG/kcmil	26-20	26-20
Nominal current I _N	6 A	6 A
Nominal voltage U _N	150 V	50 V

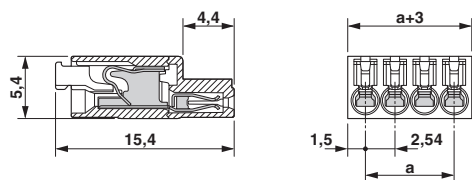
VDE Gutachten mit Fertigungsüberwachung 	
mm ² /AWG/kcmil	0.14-0.5
Nominal current I _N	6 A
Nominal voltage U _N	160 V

IECEE CB Scheme 	
mm ² /AWG/kcmil	0.14-0.5
Nominal current I _N	6 A
Nominal voltage U _N	160 V

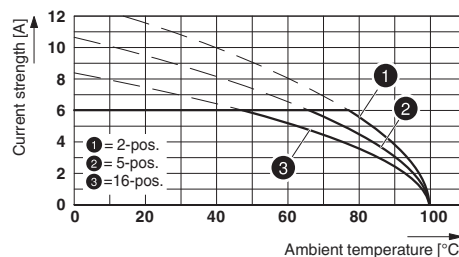
Drawings

Printed-circuit board connector - FMC 0,5/ 3-ST-2,54 - 1821106

Dimensional drawing

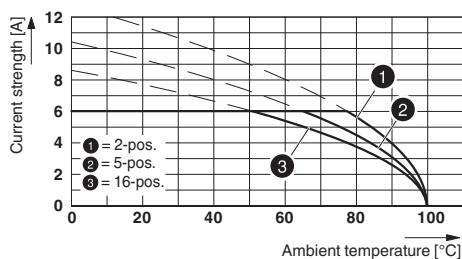


Diagram



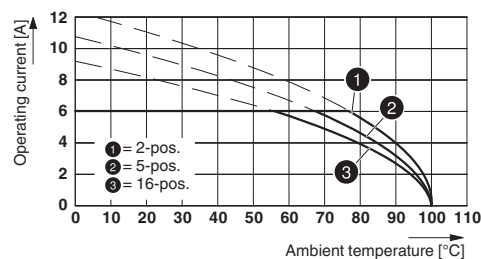
Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..

Diagram



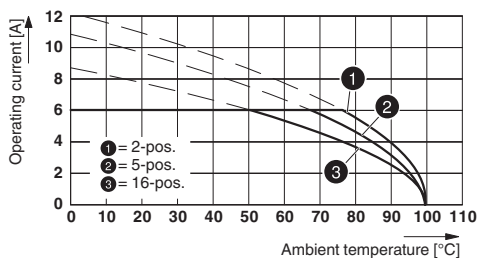
Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

Diagram



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

Diagram



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



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Product	Code	Reference	Product link
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