

Printed-circuit board connector - FMC 0,5/ 8-ST-2,54 - 1821151

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Plug component, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 8, 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	1 STK
GTIN	
GTIN	4046356789318
Weight per Piece (excluding packing)	2.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	15.85 mm
Width [w]	20.82 mm
Height [h]	5.35 mm
Pitch	2.54 mm

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Technical data

Dimensions

Dimension a	17.78 mm
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General

Range of articles	FMC 0,5/...-ST
Type of contact	Female connector
Number of positions	8
Connection method	Push-in spring connection
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
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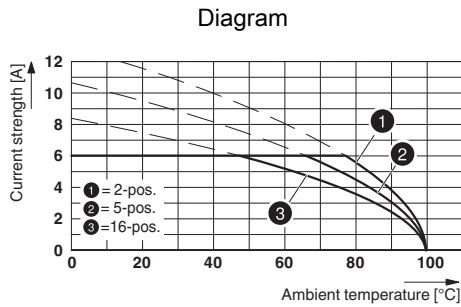
Printed-circuit board connector - FMC 0,5/ 8-ST-2,54 - 1821151

Technical data

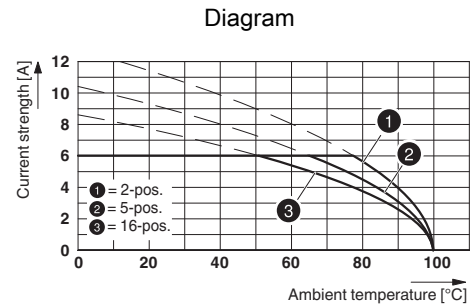
Environmental Product Compliance

	No hazardous substances above threshold values
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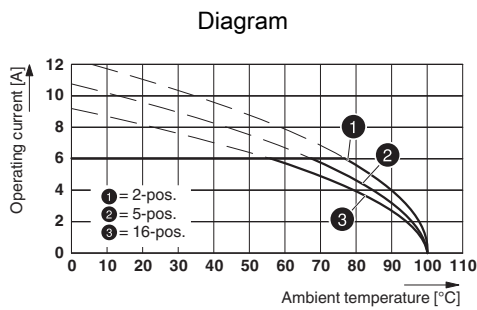
Drawings



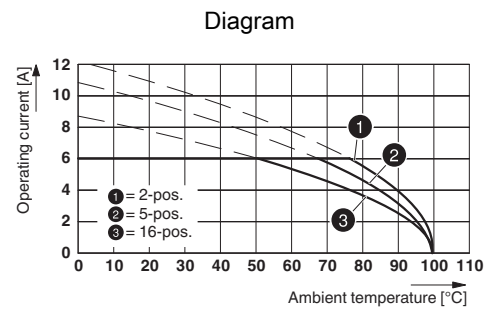
Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..



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



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



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

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
eCl@ss 9.0	27440309

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Classifications

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002638
ETIM 6.0	EC002638

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121409

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	
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		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40042258
mm ² /AWG/kcmil	0.14-0.5		

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Approvals

Nominal current I _N	6 A
Nominal voltage U _N	160 V

IECEE CB Scheme		http://www.iecee.org/	DE1-55663-B1
mm ² /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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Accessories

Accessories

Connector

Ferrule - A 0,25- 7 - 3202478



Ferrule, sleeve length: 7 mm, length: 7 mm, color: silver

Ferrule - A 0,34- 7 - 3009202



Ferrule, sleeve length: 7 mm, length: 7 mm, color: silver

Crimping tool

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Accessories

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Labeled terminal marker

Marker card - SK 2,54/2,8:FORTL.ZAHLEN - 0804853



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, mounting type: adhesive, for terminal block width: 2.54 mm, lettering field size: 2.54 x 2.8 mm

Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

Additional products

Printed-circuit board connector - MC 0,5/ 8-G-2,54 P20 THR R44 - 1821300



Header, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 8, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: THR soldering, Sample values available under SAMPLE MC...

Printed-circuit board connector - FMC 0,5/ 8-ST-2,54 - 1821151

Accessories

Printed-circuit board connector - MCV 0,5/ 8-G-2,54 P20 THR R44 - 1821452



Header, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 8, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: THR soldering, Sample values available under SAMPLE MC...

Printed-circuit board connector - MCV 0,5/ 8-G-2,54 SMD R44 - 1821601



Header, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 8, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: SMD soldering, Sample values available under SAMPLE MC...

Printed-circuit board connector - MC 0,5/ 8-G-2,54 SMD R44 - 1821753



Header, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 8, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: SMD soldering, Sample values available under SAMPLE MC...