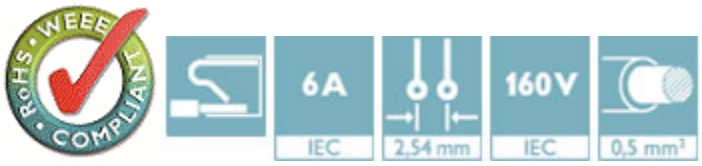
Printed-circuit board connector - FMC 0,5/12-ST-2,54 - 1821193

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)

Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 12, 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	1 STK
Weight per Piece (excluding packing)	3.200 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Environmental Product Compliance

China RoHS	No hazardous substances above threshold values

Dimensions

Length	14 mm
Height	5.35 mm
Width	30.98 mm
Pitch	2.54 mm
Dimension a	27.94 mm

General

Range of articles	FMC 0,5/..-ST
Type of contact	Female connector
Number of positions	12

Printed-circuit board connector - FMC 0,5/12-ST-2,54 - 1821193

Technical data

General

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 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

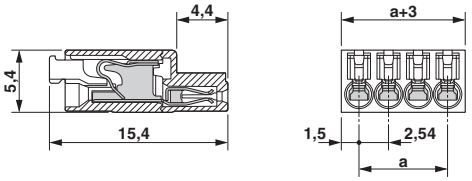
Standards and Regulations

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

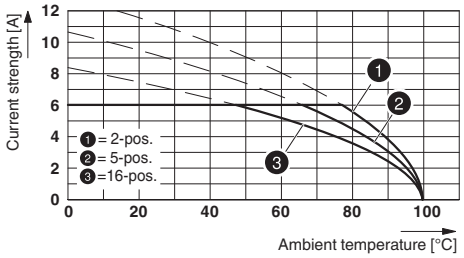
Drawings

Printed-circuit board connector - FMC 0,5/12-ST-2,54 - 1821193

Dimensional drawing

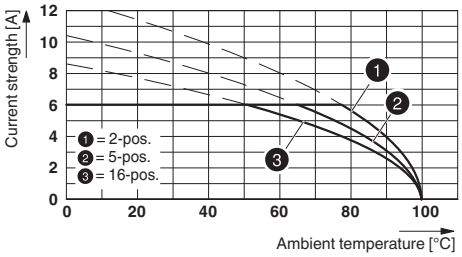


Diagram



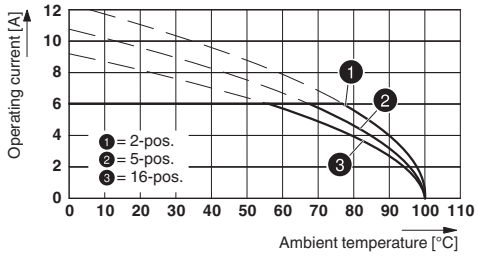
Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..

Diagram



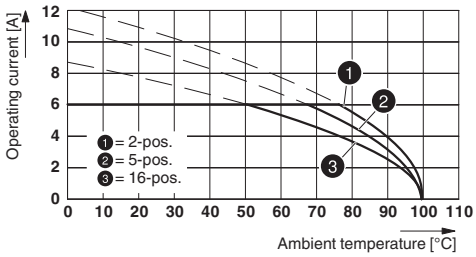
Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

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..

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

Printed-circuit board connector - FMC 0,5/12-ST-2,54 - 1821193

Classifications

eCl@ss

eCl@ss 7.0	27440402
eCl@ss 8.0	27440309
eCl@ss 9.0	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

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

Printed-circuit board connector - FMC 0,5/12-ST-2,54 - 1821193

Approvals

VDE Gutachten mit Fertigungsüberwachung http://www.vde.de 40042258

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

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

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

EAC B.01742

Accessories

Accessories

Connector

Ferrule - A 0,25- 7 - 3202478

Ferrule, Length: 7 mm, Color: silver

Ferrule - A 0,34- 7 - 3009202

Ferrule, Length: 7 mm, Color: silver

Crimping tool

Printed-circuit board connector - FMC 0,5/12-ST-2,54 - 1821193

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: 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 0,5/12-G-2,54 P20 THR R56 - 1821342

Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: THR soldering, Sample values available under SAMPLE MC...

Printed-circuit board connector - FMC 0,5/12-ST-2,54 - 1821193

Accessories

Printed-circuit board connector - MCV 0,5/12-G-2,54 P20 THR R56 - 1821494

Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: THR soldering, Sample values available under SAMPLE MC...

Printed-circuit board connector - MCV 0,5/12-G-2,54 SMD R56 - 1821643

Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: SMD soldering, Sample values available under SAMPLE MC...

Printed-circuit board connector - MC 0,5/12-G-2,54 SMD R56 - 1821795

Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: SMD soldering, Sample values available under SAMPLE MC...