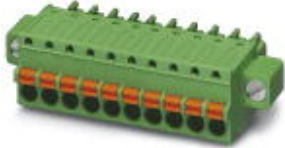


## Printed-circuit board connector - FK-MCP 1,5/ 5-STF-3,81 - 1851261

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, 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

### Product Features

- User-friendly actuation of the terminal point using a screwdriver
- Fast conductor connection thanks to Push-in spring-cage connection
- Test connection for accommodating 1.2 mm Ø test pins or 1 mm Ø test plugs
- Wide range of possible combinations with MC base strips with 3.5/3.81 mm pitch



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 110277
Weight per Piece (excluding packing)	5.74 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Pitch	3.81 mm
Dimension a	15.24 mm

#### General

Range of articles	FK-MCP 1,5/...-STF
Insulating material group	I

# Printed-circuit board connector - FK-MCP 1,5/ 5-STF-3,81 - 1851261

## Technical data

### General

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)	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 <sup>2</sup>
Maximum load current	8 A (with 1.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	9 mm
Number of positions	5
Note	CP-MSTB may only be used after reflow soldering.

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
Minimum AWG according to UL/CUL	28
Maximum AWG according to UL/CUL	16

### Standards and Regulations

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

# Printed-circuit board connector - FK-MCP 1,5/ 5-STF-3,81 - 1851261

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

### Approvals

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#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECCEB CB Scheme / CCA / EAC / cULus Recognized / EAC

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#### Ex Approvals

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Approvals submitted


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#### Approval details

# Printed-circuit board connector - FK-MCP 1,5/ 5-STF-3,81 - 1851261

## Approvals

CSA 	
	B
mm <sup>2</sup> /AWG/kcmil	28-16
Nominal current IN	8 A
Nominal voltage UN	300 V

VDE Gutachten mit Fertigungsüberwachung 	
mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	160 V

IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	160 V

CCA	
mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	160 V

EAC	
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cULus Recognized	
	B
mm <sup>2</sup> /AWG/kcmil	28-16
Nominal current IN	8 A
Nominal voltage UN	300 V

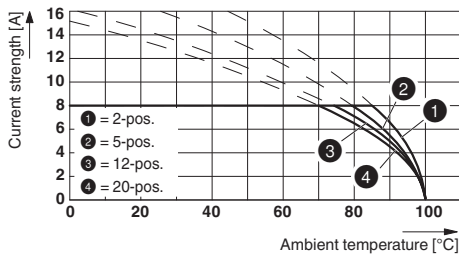
# Printed-circuit board connector - FK-MCP 1,5/ 5-STF-3,81 - 1851261

## Approvals

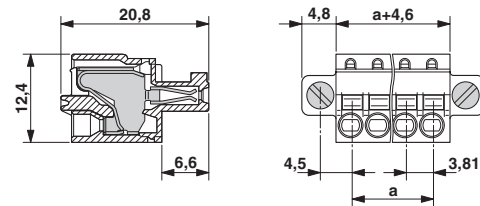
EAC

## Drawings

Diagram



Dimensional drawing



Type: FK-MCP 1,5/...-ST(F)-3,81 with MC 1,5/...-G(F)-3,81 P.. THR(R...)

Diagram

Plug: FK-MCP 1,5/5-ST(F)-3,81  
Header: MC(V) 1,5/5-G(F)-3,81

