

## 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: Spring-cage conn., 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 PCE
GTIN	 4 017918 110277
Custom tariff number	85366990
Country of origin	GERMANY

### Technical data

#### Dimensions / positions

Pitch	3.81 mm
Dimension a	15.24 mm
Number of positions	5

#### Technical data

Range of articles	FK-MCP 1,5/...STF
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV

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## Technical data

### Technical data

Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
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 voltage $U_N$	160 V
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
Inflammability class according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	9 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	8 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	8 A

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

## Classifications

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638

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## Classifications

### ETIM

ETIM 5.0	EC002638
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### UNSPSC

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

### 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

## Approvals

### Approvals


#### Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IEC CB Scheme / GOST / CCA / cULus Recognized

#### Ex Approvals

#### Approvals submitted


### Approval details

			
		B	D
	mm <sup>2</sup> /AWG/kcmil	28-16	28-16
	Nominal current I <sub>N</sub>	8 A	8 A


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

## Approvals


	B	D
Nominal voltage UN	300 V	300 V

UL Recognized 


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


VDE Gutachten mit Fertigungsüberwachung 

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

cUL Recognized 

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

GOST 

IECEE CB Scheme 

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

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

## Approvals



CCA	
mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current I <sub>N</sub>	8 A
Nominal voltage U <sub>N</sub>	160 V



## Accessories

### Accessories

### Marking

Marker cards - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 3.81 mm

## Tools

Phillips-screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

## Additional products

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

### Accessories

Base strip - DFK-MC 1,5/ 5-GF-3,81 - 1829374



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Base strip - MCDV 1,5/ 5-G1F-3,81 - 1842791



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCDV 1,5/ 5-GF-3,81 - 1830282



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCD 1,5/ 5-GF-3,81 - 1830130



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCD 1,5/ 5-G1F-3,81 - 1842940



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

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

### Accessories

Printed-circuit board connector - IMC 1,5/ 5-STGF-3,81 - 1858060

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



Base strip - MCVU 1,5/ 5-GFD-3,81 - 1833056



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Base strip - MCVK 1,5/ 5-GF-3,81 - 1832905



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Base strip - MCV 1,5/ 5-GF-3,81 - 1830622



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MC 1,5/ 5-GF-3,81 - 1827897

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering



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

### Accessories

#### Base strip - MC 1,5/ 5-GF-3,81 THT - 1908907

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: Black, Contact surface: Tin, Assembly: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"



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#### Base strip - SMC 1,5/ 5-GF-3,81 - 1827457

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering



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#### Base strip - EMCV 1,5/ 5-GF-3,81 - 1879311

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in



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#### Base strip - EMC 1,5/ 5-GF-3,81 - 1896970

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in



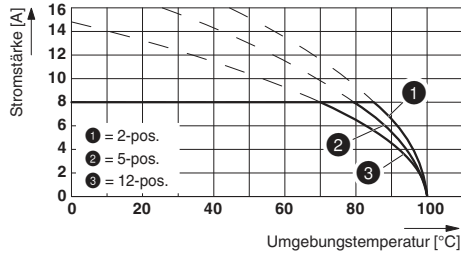
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### Drawings

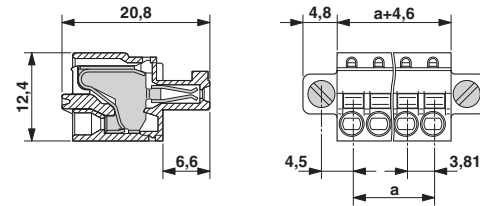


# Printed-circuit board connector - FK-MCP 1,5/ 5-STF-3,81 - 1851261

Diagram



Dimensioned drawing



Type: FK-MCP 1,5/...-STF-3,81 with MC 1,5/...-GF-3,81 P.. THR

Diagram

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

