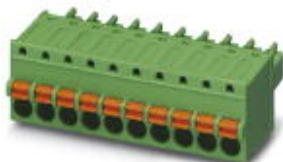


## Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,81 - 1851070

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PCB connector, nominal current: 8 A, 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

### Your advantages

- ✓ 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
- ✓ Operation and conductor connection from one direction enable integration into front of device
- ✓ Quick and convenient testing using integrated test option



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918109752
Weight per Piece (excluding packing)	5.020 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	21 mm
Width [ w ]	19.84 mm
Height [ h ]	12.4 mm
Pitch	3.81 mm

# Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,81 - 1851070

## Technical data

### Dimensions

Dimension a	15.24 mm
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### General

Range of articles	FK-MCP 1,5/...-ST
Number of positions	5
Connection method	Push-in spring connection
Insulating material group	I
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

### 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.	0.75 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

### Specifications for ferrules

Recommended crimping pliers	1212034 CRIMPFOX 6
Ferrules without insulating collar, according to DIN 46228-1	Cross section: 0.25 mm <sup>2</sup> ; Length: 7 mm

# Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,81 - 1851070

## Technical data

### Specifications for ferrules

	Cross section: 0.34 mm²; Length: 7 mm
	Cross section: 0.5 mm²; Length: 8 mm ... 10 mm
	Cross section: 0.75 mm²; Length: 8 mm ... 10 mm
	Cross section: 1 mm²; Length: 8 mm ... 10 mm
	Cross section: 1.5 mm²; Length: 10 mm

### Standards and Regulations

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

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638
ETIM 7.0	EC002638

### UNSPSC

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

# Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,81 - 1851070

## Classifications

### UNSPSC

UNSPSC 13.2	39121409
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## Approvals


### Approvals


#### Approvals


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

#### Ex Approvals

## Approval details


CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
		B	
Nominal voltage UN		300 V	
Nominal current IN		8 A	
mm²/AWG/kcmil		28-16	


IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-60987-B1B2
		160 V	
Nominal voltage UN		8 A	
Nominal current IN		0.2-1.5	
mm²/AWG/kcmil			

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40011723
		160 V	
Nominal voltage UN		8 A	
Nominal current IN		0.2-1.5	
mm²/AWG/kcmil			

## Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,81 - 1851070

### Approvals

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19920306
		B	
Nominal voltage UN		300 V	
Nominal current IN		8 A	
mm²/AWG/kcmil		28-16	

### Accessories

#### Accessories

#### Crimping tool

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



Marker card, 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, lettering field size: 3.81 x 2.8 mm

#### Screwdriver tools

## Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,81 - 1851070

### Accessories

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

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### Terminal marking

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 2.8 mm

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### Test plug terminal block

Test plugs - MPS-MT 1-S - 1944372



Test plug, consisting of 1.0 mm Ø test pin and 2.0 mm Ø socket

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### Additional products

Feed-through header - MCV 1,5/ 5-G-3,81 P14 THR - 1707036



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

## Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,81 - 1851070

### Accessories

#### Feed-through header - MCV 1,5/ 5-G-3,81 P26 THR - 1707450



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

#### Feed-through header - MCV 1,5/ 5-G-3,81 P26 THRR56 - 1712898



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

#### Printed-circuit board connector - MC 1,5/ 5-G-3,81 P20 THRR56 - 1782608



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering

#### Printed-circuit board connector - MC 1,5/ 5-G-3,81 - 1803303



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Printed-circuit board connector - MCV 1,5/ 5-G-3,81 - 1803455



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

## Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,81 - 1851070

### Accessories

#### Printed-circuit board connector - SMC 1,5/ 5-G-3,81 - 1827305



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

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#### Feed-through header - MCD 1,5/ 5-G-3,81 - 1829989



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering. In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

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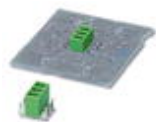
#### Feed-through header - MCDV 1,5/ 5-G-3,81 - 1830431



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering. In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

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#### Feed-through header - MCVDU 1,5/ 5-G-3,81 - 1837463



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

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#### Printed-circuit board connector - MCD 1,5/ 5-G1-3,81 - 1843101



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave 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-ST-3,81 - 1851070

### Accessories

#### Feed-through header - MCDV 1,5/ 5-G1-3,81 - 1847754



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering. In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

#### Feed-through header - EMCV 1,5/ 5-G-3,81 - 1860676



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

#### Feed-through header - MCO 1,5/ 5-GR-3,81 - 1861675



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Feed-through header - MCO 1,5/ 5-GL-3,81 - 1861756



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Feed-through header - EMC 1,5/ 5-G-3,81 - 1897830



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

