

# Printed-circuit board connector - FK-MC 0,5/ 8-ST-2,5 - 1881383

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Plug component, Nominal current: 4 A, Rated voltage (III/2): 160 V, Number of positions: 8, Pitch: 2.5 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

## Product Features

- Possible combinations with MC 0,5 and MCD 0,5 base strips with 2.5 mm pitch
- 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 mm Ø test plug
- Individual position coding by removing the coding tab and connecting the coding profile to the header

## Key commercial data

<b>package_quantity</b>	50
<b>GTIN</b>	4017918156633

## Technical data

### Dimensions

<b>Pitch</b>	2.5 mm
<b>Dimension a</b>	17.5 mm

### General

<b>Range of articles</b>	FK-MC 0,5/..-ST
<b>Insulating material group</b>	I
<b>Rated surge voltage (III/3)</b>	1.5 kV
<b>Rated surge voltage (III/2)</b>	2.5 kV
<b>Rated surge voltage (II/2)</b>	2.5 kV
<b>Rated voltage (III/3)</b>	100 V
<b>Rated voltage (III/2)</b>	160 V
<b>Rated voltage (II/2)</b>	320 V
<b>Connection in acc. with standard</b>	EN-VDE
<b>Nominal current I<sub>N</sub></b>	4 A
<b>Nominal cross section</b>	0.5 mm <sup>2</sup>
<b>Maximum load current</b>	4 A (with 0.5 mm <sup>2</sup> conductor cross section)
<b>Insulating material</b>	PA
<b>Inflammability class according to UL 94</b>	V0

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## Technical data

### General

<b>Stripping length</b>	8 mm
<b>Number of positions</b>	8

### Connection data

<b>Conductor cross section solid min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	26
<b>Conductor cross section AWG/kcmil max</b>	20
<b>Minimum AWG according to UL/CUL</b>	28
<b>Maximum AWG according to UL/CUL</b>	20

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	272607xx
<b>eCl@ss 4.1</b>	27260701
<b>eCl@ss 5.0</b>	27260701
<b>eCl@ss 5.1</b>	27260701
<b>eCl@ss 6.0</b>	27260704
<b>eCl@ss 7.0</b>	27440402
<b>eCl@ss 8.0</b>	27440402

### ETIM

<b>ETIM 3.0</b>	EC001121
<b>ETIM 4.0</b>	EC002638
<b>ETIM 5.0</b>	EC002638

### UNSPSC

<b>UNSPSC 6.01</b>	30211810
<b>UNSPSC 7.0901</b>	39121409
<b>UNSPSC 11</b>	39121409
<b>UNSPSC 12.01</b>	39121409
<b>UNSPSC 13.2</b>	39121409

## approvals

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

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## approvals

### Approval details

**UL Recognized**

Usegroups	B
Nominal voltage UN	125 V
Nominal current IN	4 A
mm <sup>2</sup> /AWG/kcmil	28-20

**VDE Gutachten mit Fertigungsüberwachung**

Nominal voltage UN	100 V
Nominal current IN	4 A
mm <sup>2</sup> /AWG/kcmil	0.2-0.5

**cUL Recognized**

Usegroups	B
Nominal voltage UN	125 V
Nominal current IN	4 A
mm <sup>2</sup> /AWG/kcmil	28-20

**GOST**

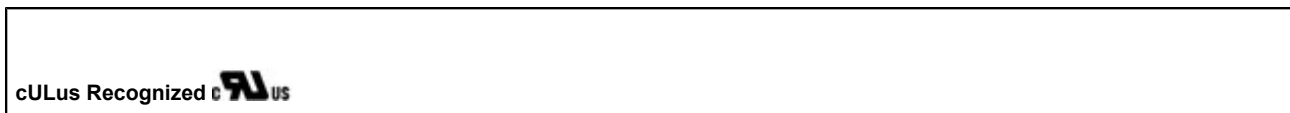
**IECEE CB Scheme**

Nominal voltage UN	100 V
Nominal current IN	4 A
mm <sup>2</sup> /AWG/kcmil	0.2-0.5

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## approvals

CCA	
Nominal voltage UN	100 V
Nominal current IN	4 A
mm <sup>2</sup> /AWG/kcmil	0.2-0.5



## accessories

### Screwdriver tools

SZS 0,4X2,0 - 1205202



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### Labeled terminal marker

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

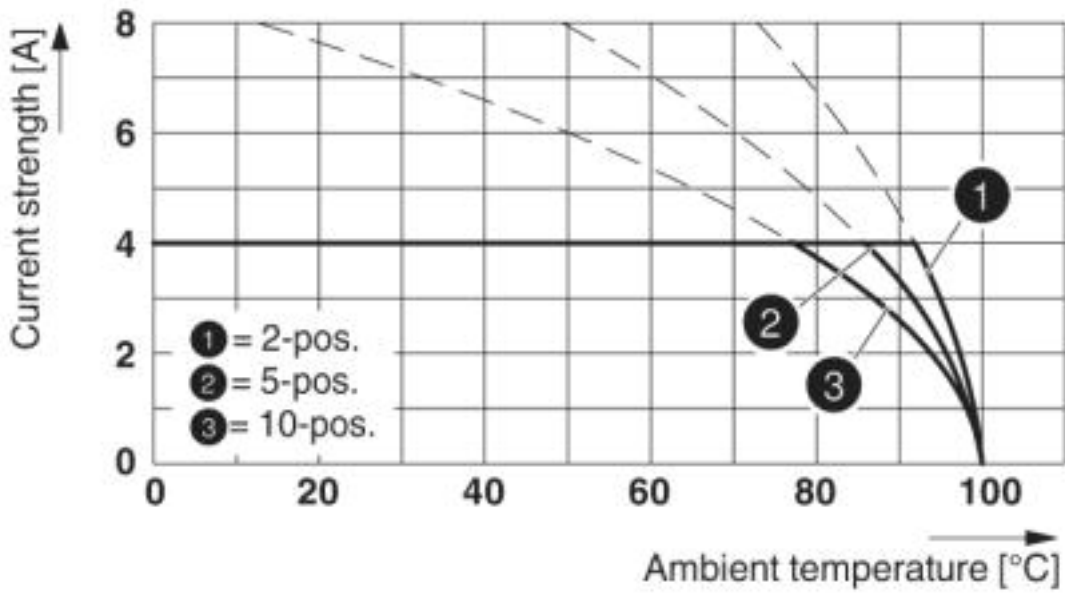


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## Drawings

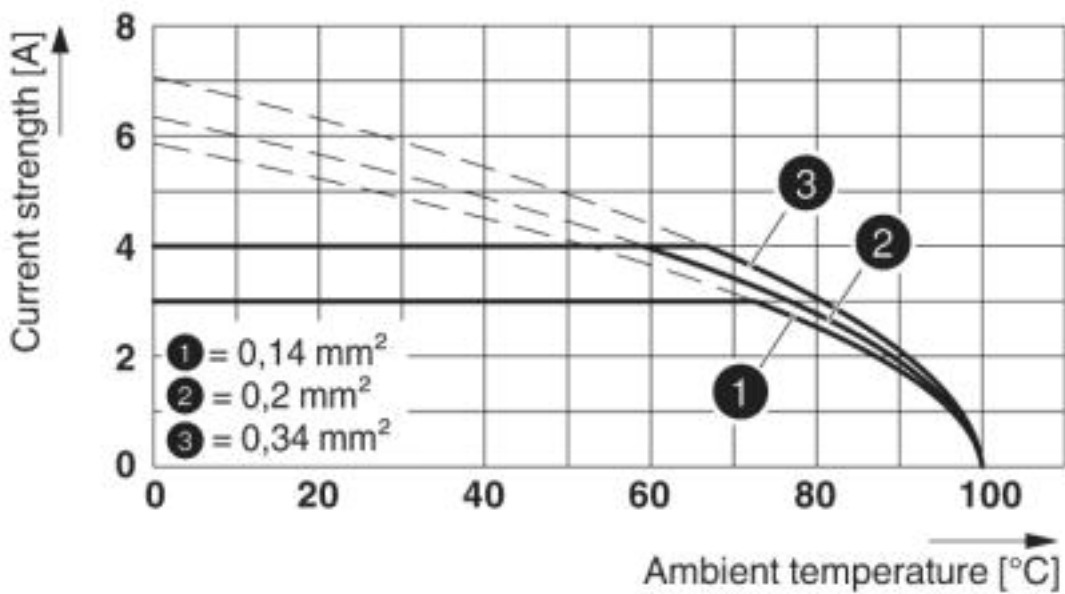
# Printed-circuit board connector - FK-MC 0,5/ 8-ST-2,5 - 1881383

Diagram



Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5

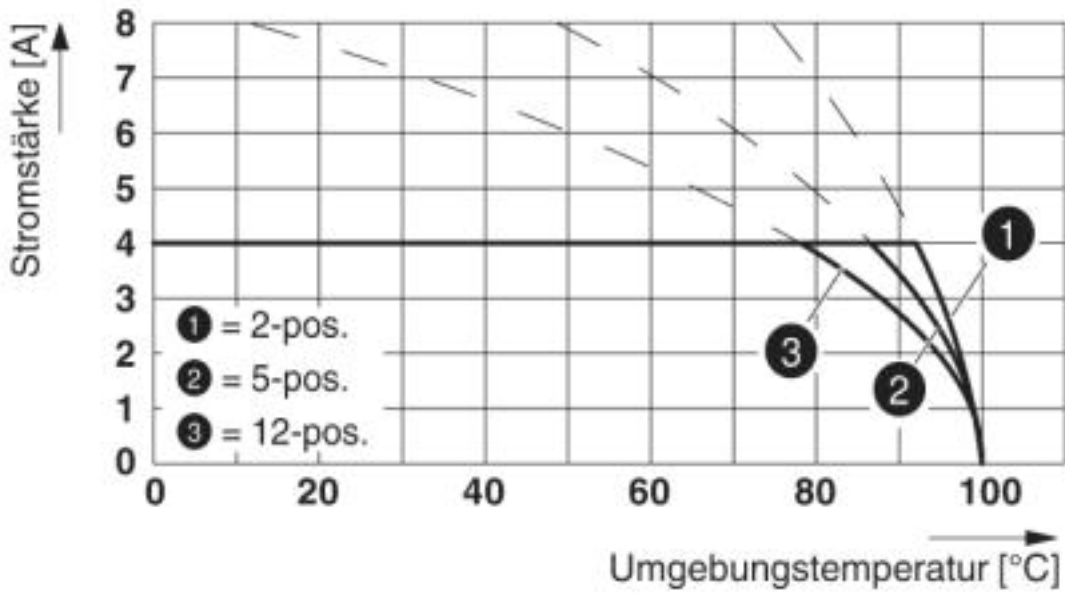
Diagram



Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5

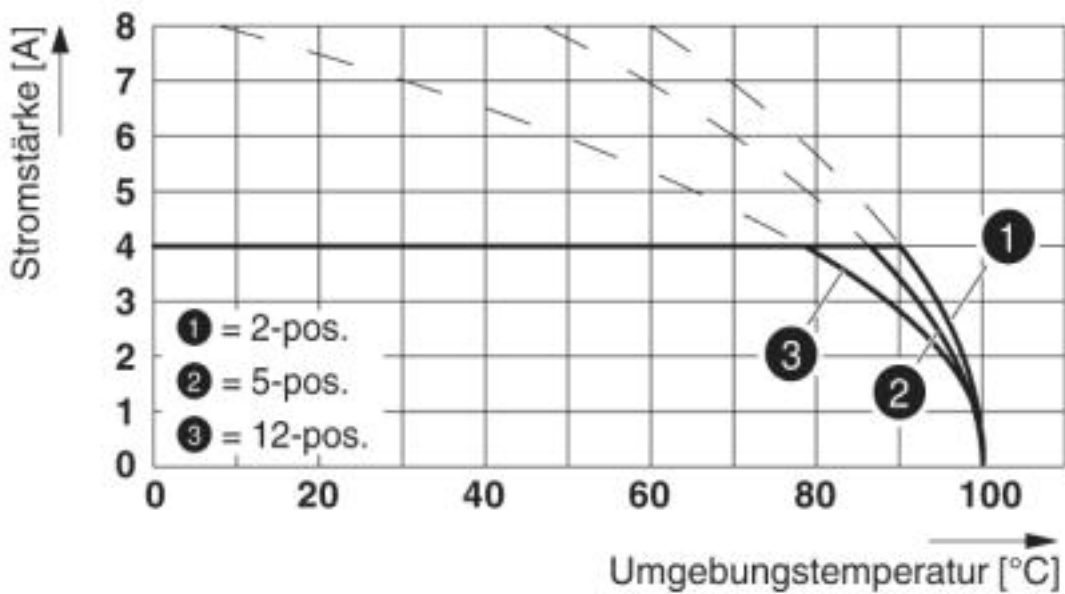
# Printed-circuit board connector - FK-MC 0,5/ 8-ST-2,5 - 1881383

Diagram



Type: FK-MC 0,5/...-ST-2,5 with MCV 0,5/...-G-2,5 THT

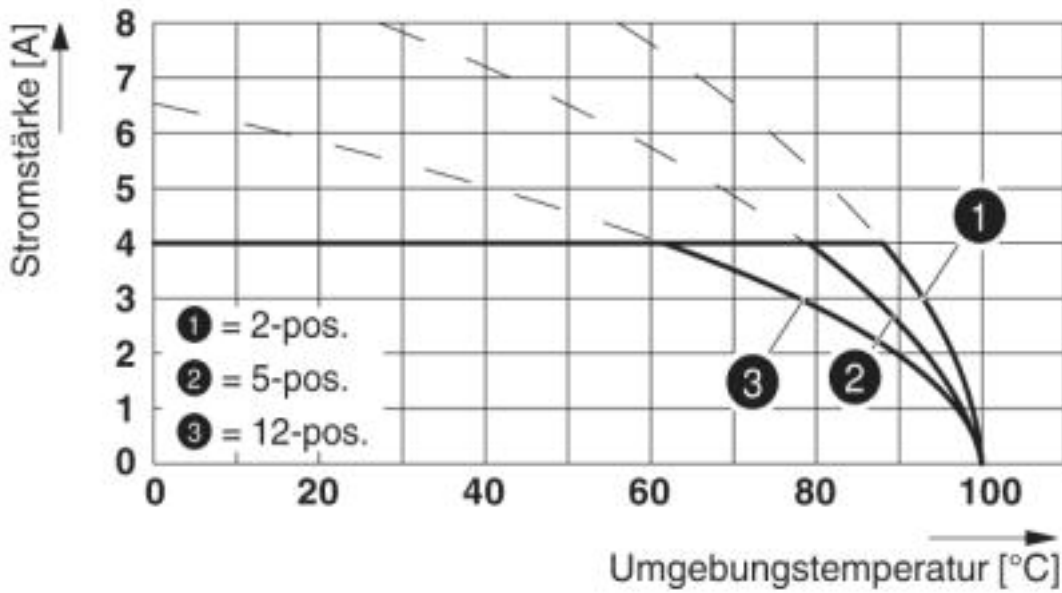
Diagram



Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5 THT

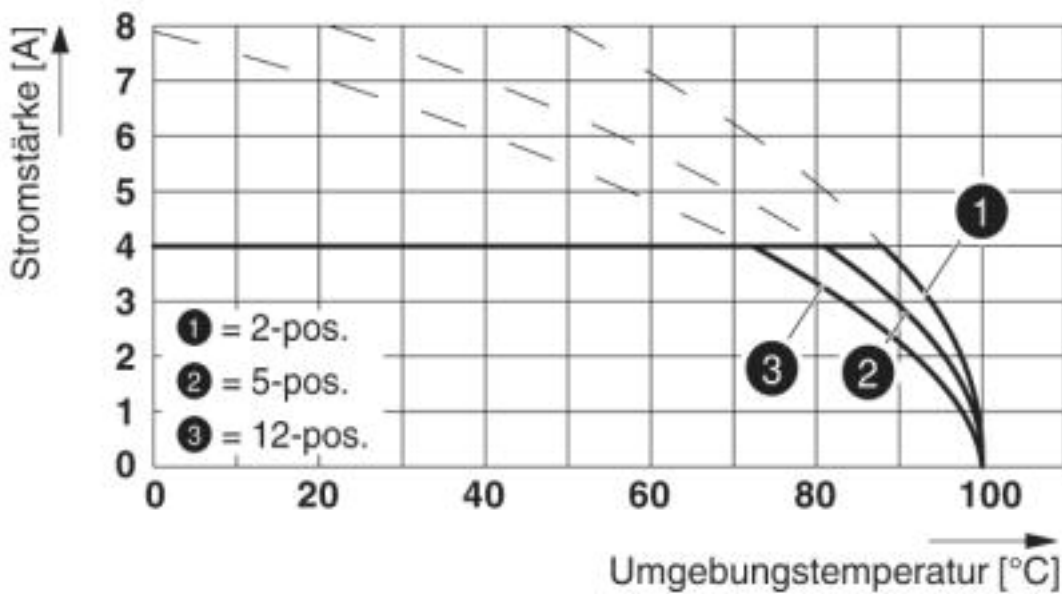
# Printed-circuit board connector - FK-MC 0,5/ 8-ST-2,5 - 1881383

Diagram



Type: FK-MC 0,5/...-ST-2,5 with MCD 0,5/...-G1-2,5

Diagram



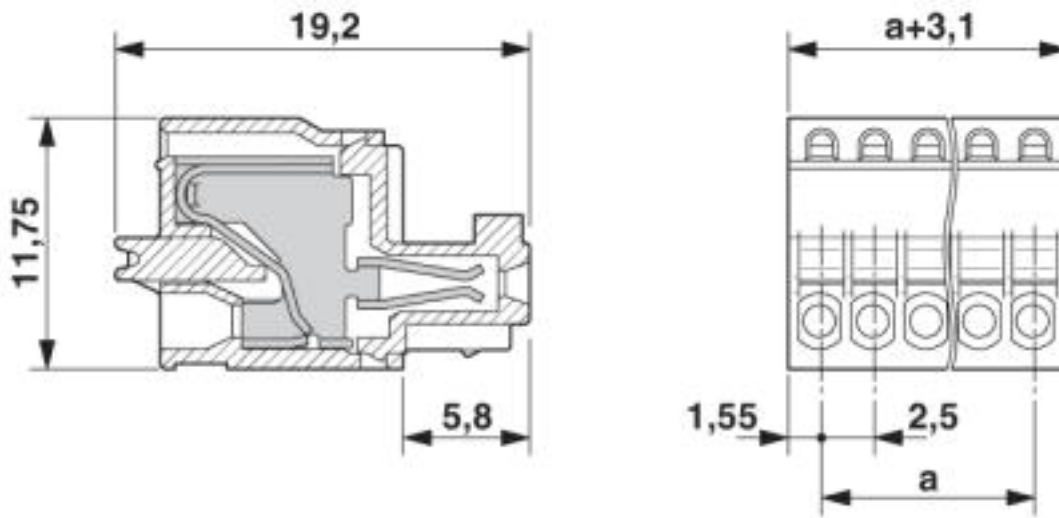
Type: FK-MC 0,5/...-ST-2,5 with MCDV 0,5/...-G1-2,5

Diagram

Type: FK-MC 0,5/...-ST-2,5 with MCV 0,5/...-G-2,5

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Dimensioned drawing



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