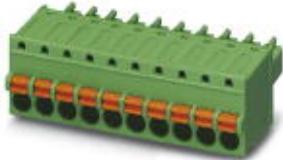


## Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

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: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Why buy this product

- 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	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 877217
GTIN	4017918877217
Weight per Piece (excluding packing)	2.700 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length	21 mm
Height	12.4 mm
Width	11.4 mm
Pitch	3.5 mm
Dimension a	7 mm

#### General

# Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

## Technical data

### General

Range of articles	FK-MCP 1,5/..-ST
Type of contact	Female connector
Number of positions	3
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.	0.5 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
	CUL
Flammability rating according to UL 94	V0

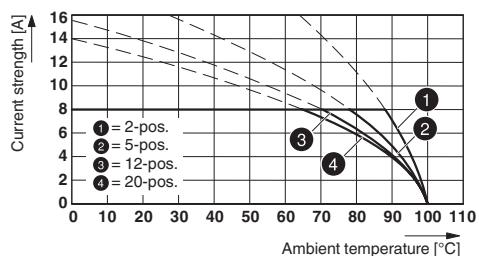
### Environmental Product Compliance

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

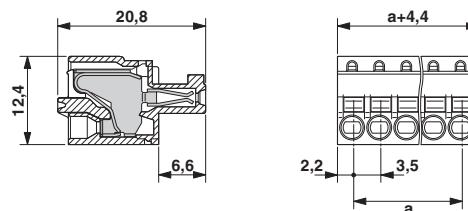
## Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

### Drawings

Diagram



Dimensional drawing



Type: FK-MCP 1,5/..-ST-3,5 with MC 1,5/..-G-3,5

### 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
ETIM 6.0	EC002638

### UNSPSC

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

### Approvals

#### Approvals

#### Approvals

VDE Gutachten mit Fertigungsüberwachung / IEC/CE CB Scheme / CCA / cULus Recognized / EAC

## Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

### Approvals

#### Ex Approvals

#### Approval details

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx</a>	40011723
mm <sup>2</sup> /AWG/kcmil		0.2-1.5	
Nominal current IN		8 A	
Nominal voltage UN		160 V	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-56063-B1B2
mm <sup>2</sup> /AWG/kcmil		0.2-1.5	
Nominal current IN		8 A	
Nominal voltage UN		160 V	

CCA		CCA/ DE1 34219
mm <sup>2</sup> /AWG/kcmil		0.2-1.5
Nominal current IN		8 A
Nominal voltage UN		160 V

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

EAC		B.01742
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### Accessories

#### Accessories

Labeled terminal marker

## Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

### Accessories

Marker card - SK 3,5/2,8:FORTL.ZAHLEN - 0804073



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, for terminal block width: 3.5 mm, Lettering field: 3.5 x 2.8 mm

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### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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### Screwdriver tools

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: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm

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### Accessories - MPS-MT 1-S - 1944372



Accessories

## Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

### Accessories

### Additional products

Printed-circuit board connector - MCV 1,5/ 3-G-3,5 P20 THRR32 - 1780901



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - MC 1,5/ 3-G-3,5 P26 THR - 1788521



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering

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Printed-circuit board connector - MC 1,5/ 3-G-3,5 P26 THRR32 - 1788534



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering

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Printed-circuit board connector - MC 1,5/ 3-G-3,5 P20 THRR32 - 1788754



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering

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Printed-circuit board connector - MC 1,5/ 3-G-3,5 P14 THR - 1788961



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering

## Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

### Accessories

Printed-circuit board connector - MC 1,5/ 3-G-3,5 P14 THRR32 - 1788974

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering



Base strip - MCV 1,5/ 3-G-3,5 - 1843619

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



Base strip - MC 1,5/ 3-G-3,5 - 1844223

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



Base strip - EMC 1,5/ 3-G-3,5 - 1897102

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology



Base strip - EMCV 1,5/ 3-G-3,5 - 1911020

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology



## Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

### Accessories

#### Base strip - MC 1,5/ 3-G-3,5 THT - 1937509



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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#### Base strip - MCV 1,5/ 3-G-3,5 THT - 1937619



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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#### Base strip - MCV 1,5/ 3-G-3,5 THT-R56 - 1950997



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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#### Base strip - MCDNV 1,5/ 3-G1-3,5 P26THR - 1952791



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, The pin length is 26 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: <http://Downloads>.

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#### Base strip - MCDNV 1,5/ 3-G1-3,5 P14THR - 1952982



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, The pin length is 1.4 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: [Downloads](http://Downloads).

## Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

### Accessories

Base strip - MCDN 1,5/ 3-G1-3,5 P26THR - 1953729



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, The pin length is 2.6 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: "Downloads"

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Base strip - MCDN 1,5/ 3-G1-3,5 P14THR - 1953923



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, The pin length is 1.4 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: "Downloads".

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Base strip - MC 1,5/ 3-G-3,5 THT-R32 - 1996692



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Base strip - MCV 1,5/ 3-GF-3,5 THT-R56 - 1996809



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Base strip - MCO 1,5/ 3-G1L-3,5 KMGY - 2278319



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: light gray, Mounting: Soldering, Article with lateral pin exit

## Printed-circuit board connector - FK-MCP 1,5/ 3-ST-3,5 - 1939921

### Accessories

Base strip - MCO 1,5/ 3-G1R-3,5 KMGY - 2278322



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: light gray, Mounting: Soldering, Article with lateral pin exit