

## Printed-circuit board connector - FMC 1,5/ 3-STF-3,5 - 1966101

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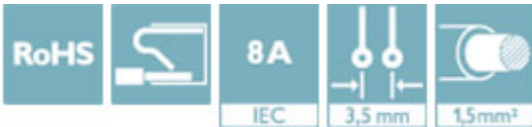
PCB connector, nominal current: 8 A, number of positions: 3, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin




The figure shows a 10-position version of the product

### 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
- ✓ Screwable flange for superior mechanical stability



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 943295
GTIN	4017918943295
Weight per Piece (excluding packing)	2.770 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	22.9 mm
Width [ w ]	20.8 mm
Height [ h ]	7.8 mm

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## Technical data

### Dimensions

Pitch	3.5 mm
Dimension a	7 mm

### General

Range of articles	FMC 1,5/...-STF
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
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	10 mm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 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.	24
Conductor cross section AWG max.	16
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	16

### Specifications for ferrules

Recommended crimping pliers	1212034 CRIMPFOX 6
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## Technical data

### Specifications for ferrules

Ferrules without insulating collar, according to DIN 46228-1	Cross section: 0.25 mm <sup>2</sup> ; Length: 7 mm
	Cross section: 0.34 mm <sup>2</sup> ; Length: 7 mm
	Cross section: 0.5 mm <sup>2</sup> ; Length: 8 mm ... 10 mm
	Cross section: 0.75 mm <sup>2</sup> ; Length: 8 mm ... 10 mm
	Cross section: 1 mm <sup>2</sup> ; Length: 8 mm ... 10 mm
	Cross section: 1.5 mm <sup>2</sup> ; Length: 10 mm

### Standards and Regulations

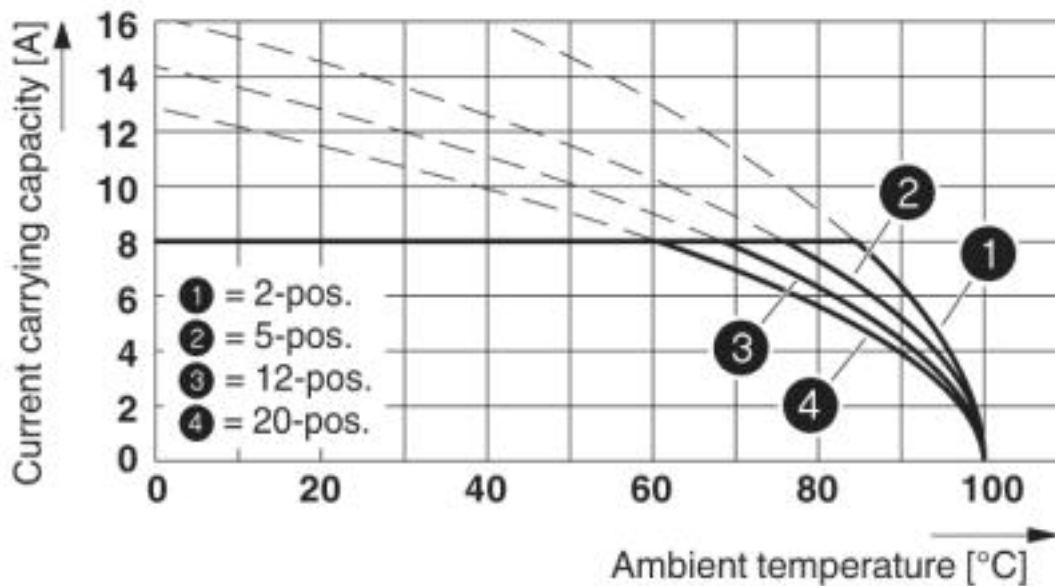
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

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

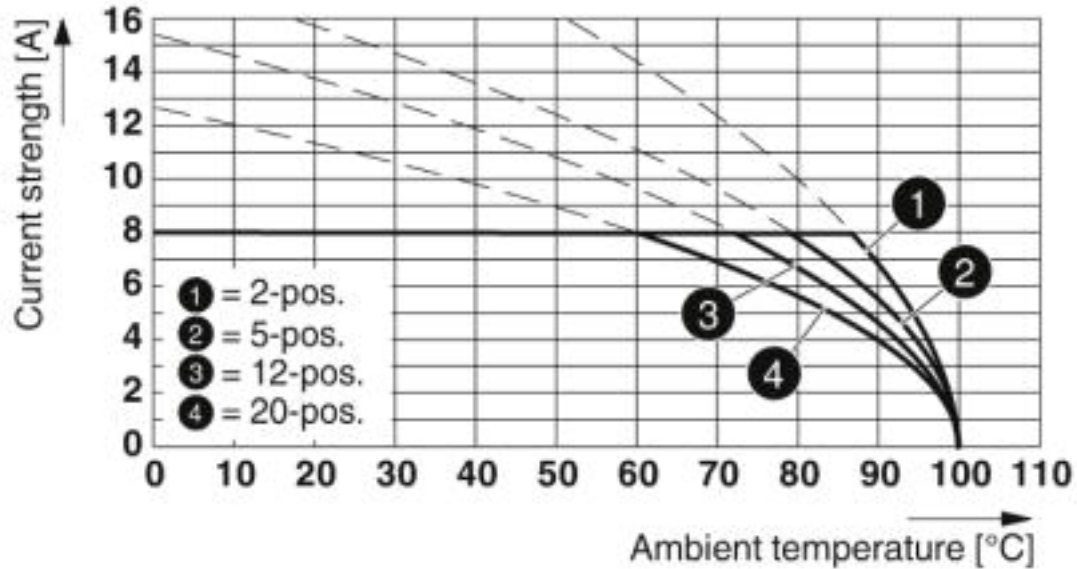
## Drawings

Diagram



# Printed-circuit board connector - FMC 1,5/ 3-STF-3,5 - 1966101

Diagram



Type: FMC 1,5/...-STF-3,5 with MCV 1,5/...-GF-3,5 P... THR

## Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
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
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## Classifications

### UNSPSC

UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals


### Approvals


#### Approvals

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

#### Ex Approvals

### Approval details


IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-60987-B1B2
Nominal voltage UN	160 V		
Nominal current IN	8 A		
mm <sup>2</sup> /AWG/kcmil	0.2-1.5		

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

EAC		B.01742
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## Approvals

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	C	
Nominal voltage UN	150 V	50 V	
Nominal current IN	8 A	8 A	
mm <sup>2</sup> /AWG/kcmil	24-16	24-16	

## 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 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

#### Labeled terminal marker

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 size: 3.5 x 2.8 mm

#### 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

#### Screwdriver tools

## Printed-circuit board connector - FMC 1,5/ 3-STF-3,5 - 1966101

### 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, Number of individual labels: 3600

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### Additional products

Printed-circuit board connector - MCV 1,5/ 3-GF-3,5 P20 THRR56 - 1780684



PCB headers, nominal current: 8 A, 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-GF-3,5 P26 THR - 1789180



PCB headers, nominal current: 8 A, 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-GF-3,5 P20 THRR56 - 1789410



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

## Printed-circuit board connector - FMC 1,5/ 3-STF-3,5 - 1966101

### Accessories

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#### Printed-circuit board connector - MC 1,5/ 3-GF-3,5 P14 THR - 1789627

PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering



#### Feed-through header - MCV 1,5/ 3-GF-3,5 - 1843237

PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Feed-through header - MC 1,5/ 3-GF-3,5 - 1843800

PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Feed-through header - EMC 1,5/ 3-GF-3,5 - 1897254

PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Press-in technology



#### Feed-through header - EMCV 1,5/ 3-GF-3,5 - 1911172

PCB headers, nominal current: 8 A, number of positions: 3, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Press-in technology





## Printed-circuit board connector - FMC 1,5/ 3-STF-3,5 - 1966101

### Accessories

Feed-through header - MC 1,5/ 3-GF-3,5 THT - 1937321

PCB headers, number of positions: 3, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"



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Feed-through header - MCV 1,5/ 3-GF-3,5 THT - 1937415

PCB headers, number of positions: 3, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"



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Feed-through header - MC 1,5/ 3-GF-3,5 THT-R56 - 1996870



PCB headers, number of positions: 3, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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