

## Printed-circuit board connector - IFMC 1,5/ 2-ST-3,5 - 1843980

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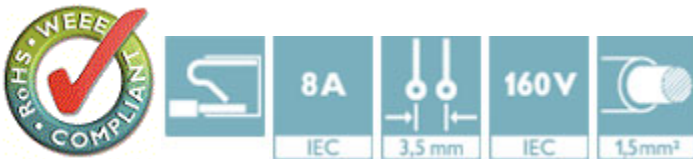
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 3.5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin



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
- ✓ Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections



### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
Weight per Piece (excluding packing)	1.600 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Environmental Product Compliance

China RoHS	No hazardous substances above threshold values
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#### Dimensions

Length	24.6 mm
Height	7.8 mm
Pitch	3.50 mm

# Printed-circuit board connector - IFMC 1,5/ 2-ST-3,5 - 1843980

## Technical data

### Dimensions

Dimension a	3.5 mm
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### General

Range of articles	IFMC 1,5/...-ST
Type of contact	Male connector
Number of positions	2
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.	0.14 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.	0.14 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

### Specifications for ferrules

Ferrules without insulating collar, according to DIN 46228-1	Cross section: 0.25 mm <sup>2</sup> ; Length: 5 mm ... 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

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## Technical data

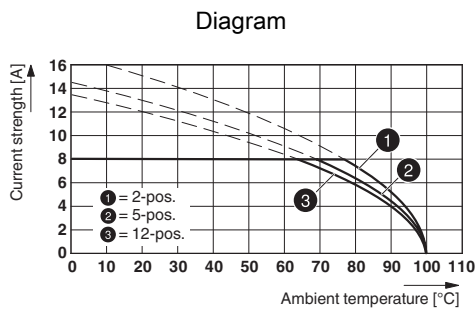
### Specifications for ferrules

	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
Ferrules with insulating collar, according to DIN 46228-4	Cross section: 0.14 mm <sup>2</sup> ; Length: 8 mm
	Cross section: 0.34 mm <sup>2</sup> ; Length: 8 mm ... 10 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

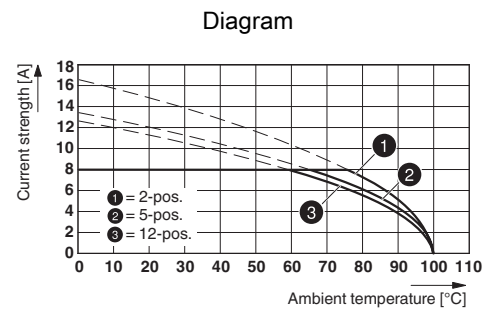
### Standards and Regulations

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

## Drawings

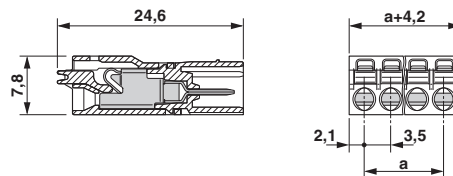


Type: FMC 1,5/...-ST-3,5 with IFMC 1,5/...-ST-3,5



Type: IFMC 1,5/...-ST-3,5 with IMC 1,5/...-G-3,5 P20 THR

### Dimensional drawing



## Classifications

eCl@ss

eCl@ss 5.1	27260701
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# Printed-circuit board connector - IFMC 1,5/ 2-ST-3,5 - 1843980

## Classifications

### eCl@ss

eCl@ss 6.0	27261101
eCl@ss 8.0	27440402
eCl@ss 9.0	27440402

### ETIM

ETIM 5.0	EC002637
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## Approvals

### Approvals


#### Approvals


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

#### Ex Approvals

### Approval details

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
mm <sup>2</sup> /AWG/kcmil	24-16	24-16
Nominal current I <sub>N</sub>	8 A	8 A
Nominal voltage U <sub>N</sub>	150 V	50 V

VDE Gutachten mit Fertigungsüberwachung  <a href="http://www.vde.de">http://www.vde.de</a> 40011723	
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

IECCEB 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

## Printed-circuit board connector - IFMC 1,5/ 2-ST-3,5 - 1843980

### Approvals

Nominal current I <sub>N</sub>	8 A
Nominal voltage U <sub>N</sub>	160 V

EAC B.01742
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### Accessories

#### Accessories

#### Connector

Ferrule - A 0,25- 5 - 3202465



Ferrule, Length: 5 mm, Color: silver

Ferrule - A 0,25- 7 - 3202478



Ferrule, Length: 7 mm, Color: silver

Ferrule - A 0,34- 7 - 3009202



Ferrule, Length: 7 mm, Color: silver

Ferrule - A 0,5 - 8 - 3202481



Ferrule, Length: 8 mm, Color: silver

## Printed-circuit board connector - IFMC 1,5/ 2-ST-3,5 - 1843980

### Accessories

Ferrule - A 0,5 -10 - 3202494



Ferrule, Length: 10 mm, Color: silver

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Ferrule - A 0,75- 8 - 3202504



Ferrule, Length: 8 mm, Color: silver

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Ferrule - A 0,75-10 - 3200234



Ferrule, Length: 10 mm, Color: silver

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Ferrule - A 1 - 8 - 3202517



Ferrule, Length: 8 mm, Color: silver

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Ferrule - A 1 -10 - 3200250



Ferrule, Length: 10 mm, Color: silver

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## Printed-circuit board connector - IFMC 1,5/ 2-ST-3,5 - 1843980

### Accessories

Ferrule - A 1,5 -10 - 3200276



Ferrule, Length: 10 mm, Color: silver

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Ferrule - AI 0,14- 8 GY -1000 - 3203011



Ferrule, Sleeve length: 8 mm, Length: 12.5 mm, Color: gray

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Ferrule - AI 0,34- 8 TQ - 3203066



Ferrule, Sleeve length: 8 mm, Length: 12.5 mm, Color: turquoise

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Ferrule - AI 0,34-10 TQ - 3241129



Ferrule, Sleeve length: 10 mm, Length: 14.5 mm, Color: turquoise

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Ferrule - AI 0,5 - 8 WH - 3200014



Ferrule, Sleeve length: 8 mm, Length: 14 mm, Color: white

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## Printed-circuit board connector - IFMC 1,5/ 2-ST-3,5 - 1843980

### Accessories

Ferrule - AI 0,5 -10 WH - 3201275



Ferrule, Sleeve length: 10 mm, Length: 16 mm, Color: white

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Ferrule - AI 0,75- 8 GY - 3200519



Ferrule, Sleeve length: 8 mm, Length: 14 mm, Color: gray

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Ferrule - AI 0,75-10 GY - 3201288



Ferrule, Sleeve length: 10 mm, Length: 16 mm, Color: gray

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Ferrule - AI 0,25- 8 YE - 3203037



Ferrule, Sleeve length: 8 mm, Length: 12.5 mm, Color: yellow

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### 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

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## Printed-circuit board connector - IFMC 1,5/ 2-ST-3,5 - 1843980

### Accessories

#### 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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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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#### Additional products

## Printed-circuit board connector - IFMC 1,5/ 2-ST-3,5 - 1843980

### Accessories

Printed-circuit board connector - FMC 1,5/ 2-ST-3,5 - 1952267



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

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Base strip - IMC 1,5/ 2-G-3,5 P20 THR - 1830414



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

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Base strip - IMCV 1,5/ 2-G-3,5 P20 THR - 1830715



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