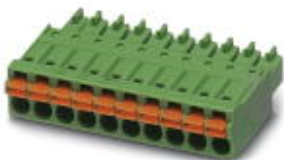


## Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

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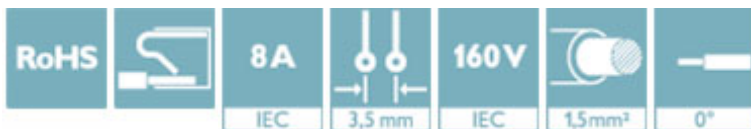
Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin



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



### Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	
GTIN	4017918942922
Weight per Piece (excluding packing)	4.830 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	21.9 mm
Width [ w ]	32.2 mm
Height [ h ]	7.8 mm
Pitch	3.5 mm
Dimension a	28 mm

#### General

Range of articles	FMC 1,5/..-ST
-------------------	---------------

# Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

## Technical data

### General

Type of contact	Female connector
Number of positions	9
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

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
	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
Ferrules with insulating collar, according to DIN 46228-4	Cross section: 1.5 mm <sup>2</sup> ; Length: 10 mm
	Cross section: 0.14 mm <sup>2</sup> ; Length: 8 mm
	Cross section: 0.34 mm <sup>2</sup> ; Length: 8 mm ... 10 mm

# Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

## Technical data

### Specifications for ferrules

	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

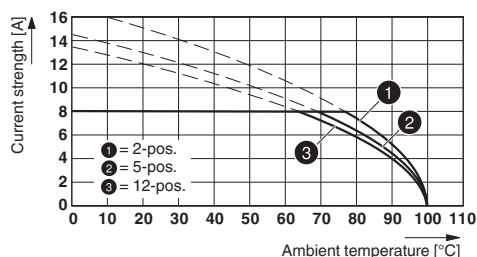
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

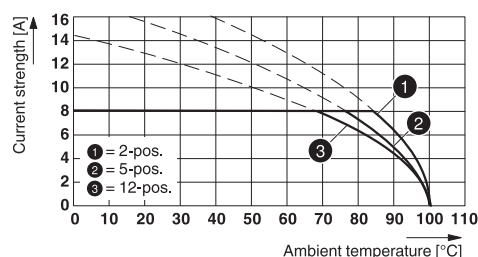
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Diagram



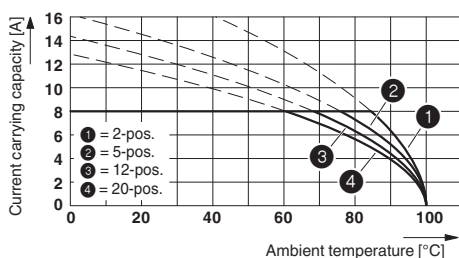
Diagram



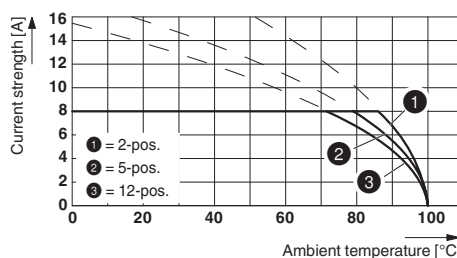
Type: FMC 1,5/...-ST-3,5 with IFMC 1,5/...-ST-3,5

Type: FMC 1,5/...-ST-3,5 with MC 1,5/...-G-3,5 P26 THR

Diagram



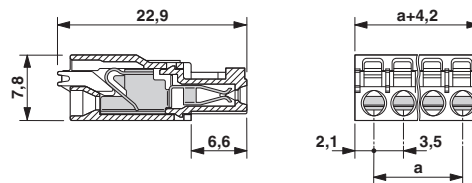
Diagram



Type: FMC 1,5/...-ST-3,5 with MCV 1,5/...-G-3,5 P... THR

# Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

Dimensional drawing



## 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 / cULus Recognized / IECCE CB Scheme / EAC

#### Ex Approvals

# Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

## 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 I <sub>N</sub>	8 A		
Nominal voltage U <sub>N</sub>	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
	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	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58415-B1B2
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		

EAC		B.01742
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## 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

## Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

### Accessories

#### 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: 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: CMS-P1-PLOTTER, PLOTMARK, Office printing systems, Mounting type: adhesive, for terminal block width: 210 mm, Lettering field: 186 x 2.8 mm

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#### Additional products

Printed-circuit board connector - MCV 1,5/ 9-G-3,5 P20 THRR56 - 1781023



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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"

## Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

### Accessories

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#### Printed-circuit board connector - MC 1,5/ 9-G-3,5 P26 THR - 1788644

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



#### Printed-circuit board connector - MC 1,5/ 9-G-3,5 P26 THRR56 - 1788657

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



#### Printed-circuit board connector - MC 1,5/ 9-G-3,5 P20 THRR56 - 1788877

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



#### Printed-circuit board connector - MC 1,5/ 9-G-3,5 P14 THR - 1789083

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



#### Printed-circuit board connector - MC 1,5/ 9-G-3,5 P14 THRR56 - 1789096

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



## Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

### Accessories

Base strip - MCV 1,5/ 9-G-3,5 - 1843677



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MC 1,5/ 9-G-3,5 - 1844281



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - EMC 1,5/ 9-G-3,5 - 1897160



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, Color: green, contact surface: Tin, mounting: Press-in technology

Base strip - EMCV 1,5/ 9-G-3,5 - 1911088



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, Color: green, contact surface: Tin, mounting: Press-in technology

Base strip - MC 1,5/ 9-G-3,5 THT - 1937567



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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"



## Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

### Accessories

#### Base strip - MCV 1,5/ 9-G-3,5 THT - 1937677



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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"

#### Base strip - MCV 1,5/ 9-G-3,5 THT-R56 - 1951051



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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"

#### Base strip - MCDNV 1,5/ 9-G1-3,5 P26THR - 1952856



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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"](http://Downloads).

#### Base strip - MCDNV 1,5/ 9-G1-3,5 P14THR - 1953075



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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](#)".

#### Base strip - MCDN 1,5/ 9-G1-3,5 P26THR - 1953787



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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"](#)

## Printed-circuit board connector - FMC 1,5/ 9-ST-3,5 - 1952335

### Accessories

#### Base strip - MCDN 1,5/ 9-G1-3,5 P14THR - 1953981



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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/ 9-G-3,5 THT-R56 - 1996731



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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/ 9-GF-3,5 THT-R72 - 1996841



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, 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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