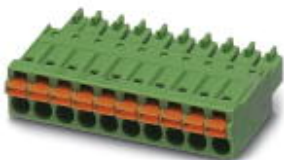


Printed-circuit board connector - FMC 1,5/12-ST-3,5 - 1952364

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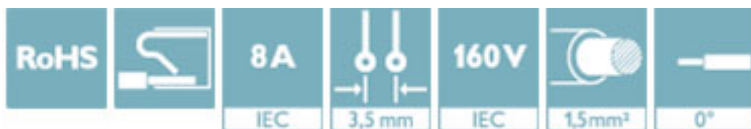
Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin



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 |  4 017918 942953 |
| GTIN | 4017918942953 |
| Weight per Piece (excluding packing) | 6.320 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------|---------|
| Length [l] | 21.9 mm |
| Width [w] | 42.7 mm |
| Height [h] | 7.8 mm |
| Pitch | 3.5 mm |
| Dimension a | 38.5 mm |

General

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

Printed-circuit board connector - FMC 1,5/12-ST-3,5 - 1952364

Technical data

General

| | |
|--|---------------------------|
| Type of contact | Female connector |
| Number of positions | 12 |
| 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 ² |
| 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 ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.75 mm ² |
| 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 ² ; Length: 5 mm ... 7 mm |
| | Cross section: 0.34 mm ² ; Length: 7 mm |
| | Cross section: 0.5 mm ² ; Length: 8 mm ... 10 mm |
| | Cross section: 0.75 mm ² ; Length: 8 mm ... 10 mm |
| | Cross section: 1 mm ² ; Length: 8 mm ... 10 mm |
| Ferrules with insulating collar, according to DIN 46228-4 | Cross section: 1.5 mm ² ; Length: 10 mm |
| | Cross section: 0.14 mm ² ; Length: 8 mm |
| | Cross section: 0.34 mm ² ; Length: 8 mm ... 10 mm |

Printed-circuit board connector - FMC 1,5/12-ST-3,5 - 1952364

Technical data

Specifications for ferrules

| | |
|--|--|
| | Cross section: 0.5 mm ² ; Length: 8 mm ... 10 mm |
| | Cross section: 0.75 mm ² ; Length: 8 mm ... 10 mm |

Standards and Regulations

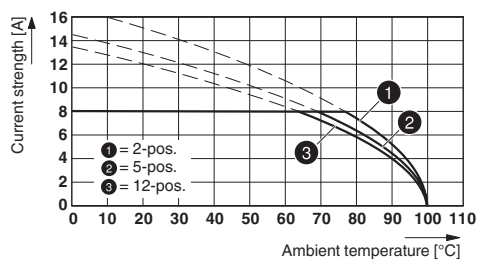
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

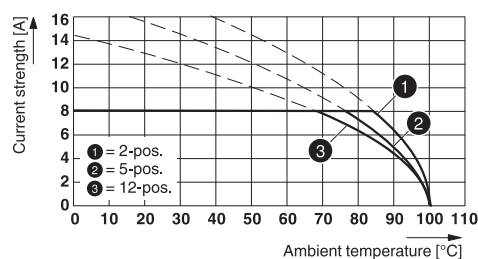
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Diagram



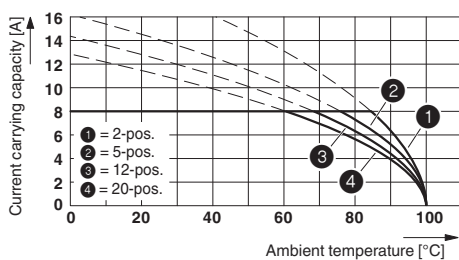
Diagram



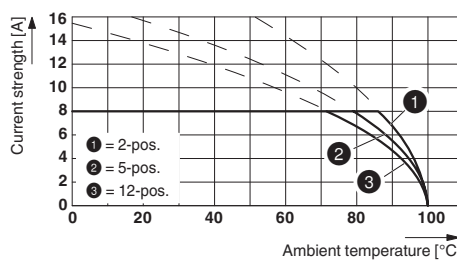
Type: FMC 1,5/...-ST-3,5 with IFMC 1,5/...-ST-3,5

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

Diagram



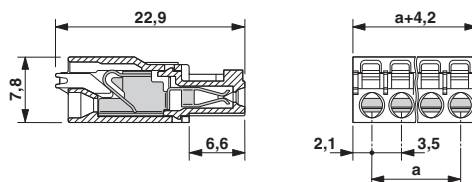
Diagram



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

Printed-circuit board connector - FMC 1,5/12-ST-3,5 - 1952364

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 1,5/12-ST-3,5 - 1952364

Approvals

Approval details

| | | | |
|---|---------|---|----------|
| VDE Gutachten mit Fertigungsüberwachung | | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40011723 |
| mm ² /AWG/kcmil | 0.2-1.5 | | |
| Nominal current I _N | 8 A | | |
| Nominal voltage U _N | 160 V | | |

| | | | |
|--------------------------------|-------|---|-----------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19920306 |
| | B | C | |
| mm ² /AWG/kcmil | 24-16 | 24-16 | |
| Nominal current I _N | 8 A | 8 A | |
| Nominal voltage U _N | 150 V | 50 V | |

| | | | |
|--------------------------------|---------|---|----------------|
| IECEE CB Scheme | | http://www.iecee.org/ | DE1-58415-B1B2 |
| mm ² /AWG/kcmil | 0.2-1.5 | | |
| Nominal current I _N | 8 A | | |
| Nominal voltage U _N | 160 V | | |

| | | |
|-----|--|---------|
| EAC | | B.01742 |
|-----|--|---------|

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 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Printed-circuit board connector - FMC 1,5/12-ST-3,5 - 1952364

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

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

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

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

Additional products

Printed-circuit board connector - MCV 1,5/12-G-3,5 P20 THRR72 - 1781081



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, 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 1,5/12-ST-3,5 - 1952364

Accessories

Printed-circuit board connector - MC 1,5/12-G-3,5 P26 THR - 1788709

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - MC 1,5/12-G-3,5 P26 THRR72 - 1788712

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - MC 1,5/12-G-3,5 P20 THRR72 - 1788932

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - MC 1,5/12-G-3,5 P14 THR - 1789148

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - MC 1,5/12-G-3,5 P14 THRR72 - 1789151

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, Color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - FMC 1,5/12-ST-3,5 - 1952364

Accessories

Base strip - MCV 1,5/12-G-3,5 - 1843703

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MC 1,5/12-G-3,5 - 1844317

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - EMC 1,5/12-G-3,5 - 1897199

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, Color: green, contact surface: Tin, mounting: Press-in technology



Base strip - EMCV 1,5/12-G-3,5 - 1911114

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, Color: green, contact surface: Tin, mounting: Press-in technology



Base strip - MC 1,5/12-G-3,5 THT - 1937596

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, 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 1,5/12-ST-3,5 - 1952364

Accessories

Base strip - MCV 1,5/12-G-3,5 THT - 1937703



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, 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 1,5/12-G1-3,5 P26THR - 1952885



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, 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://\).

Base strip - MCDNV 1,5/12-G1-3,5 P14THR - 1953114



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, 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://\).

Base strip - MCDN 1,5/12-G1-3,5 P26THR - 1953813



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, 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"](http://\).

Base strip - MCDN 1,5/12-G1-3,5 P14THR - 1954032



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, 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://\).

Printed-circuit board connector - FMC 1,5/12-ST-3,5 - 1952364

Accessories

Base strip - MC 1,5/12-G-3,5 THT-R72 - 1996760



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, 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 1,5/12-G-3,5 THT-R72 - 1996786



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, 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"
