

Printed-circuit board connector - FK-MC 0,5/ 9-ST-2,5 - 1881396

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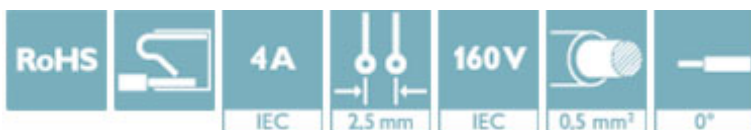
Plug component, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin




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 156640 |
| GTIN | 4017918156640 |
| Weight per Piece (excluding packing) | 5.120 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 19.05 mm |
| Width [w] | 23.1 mm |
| Height [h] | 11.75 mm |
| Pitch | 2.5 mm |
| Dimension a | 20 mm |

General

Printed-circuit board connector - FK-MC 0,5/ 9-ST-2,5 - 1881396

Technical data

General

| | |
|--|---------------------|
| Range of articles | FK-MC 0,5/..-ST |
| Insulating material group | I |
| Rated surge voltage (III/3) | 1.5 kV |
| Rated surge voltage (III/2) | 2.5 kV |
| Rated surge voltage (II/2) | 2.5 kV |
| Rated voltage (III/2) | 160 V |
| Rated voltage (II/2) | 320 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I _N | 4 A |
| Nominal voltage U _N | 100 V |
| Nominal cross section | 0.5 mm ² |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 8 mm |
| Number of positions | 9 |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 0.5 mm ² |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 0.5 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. | 0.5 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 20 |
| Minimum AWG according to UL/CUL | 28 |
| Maximum AWG according to UL/CUL | 20 |

Standards and Regulations

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

Ambient conditions

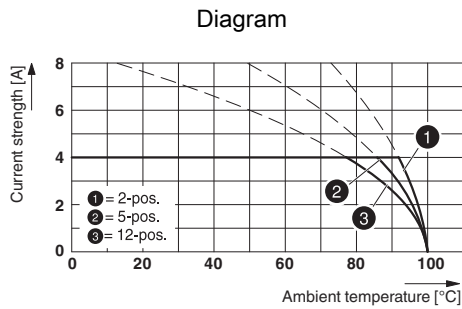
| | |
|---|--|
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 100 °C |
| Ambient temperature (operation) | -40 °C (dependent on the derating curve) |

Environmental Product Compliance

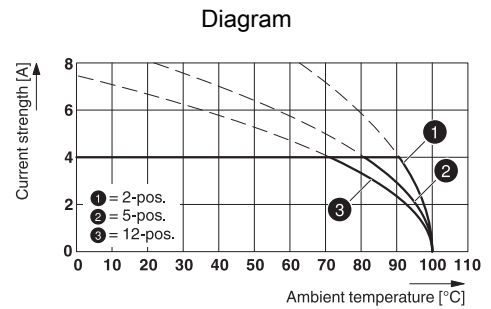
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

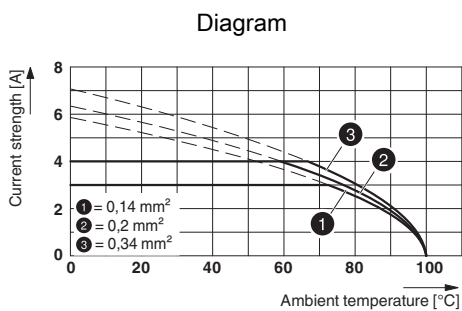
Printed-circuit board connector - FK-MC 0,5/ 9-ST-2,5 - 1881396



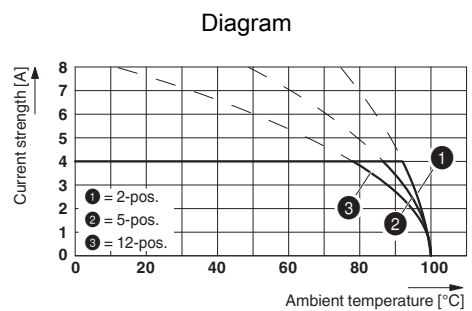
Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5



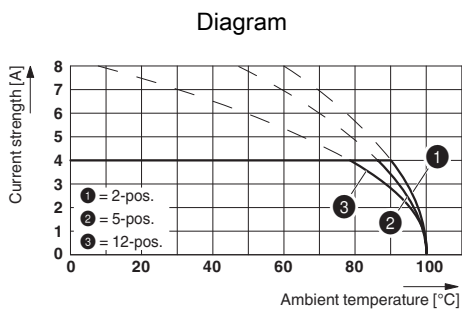
Type: FK-MC 0,5/...-ST-2,5 with MCD 0,5/...-G1-2,5 HT BK



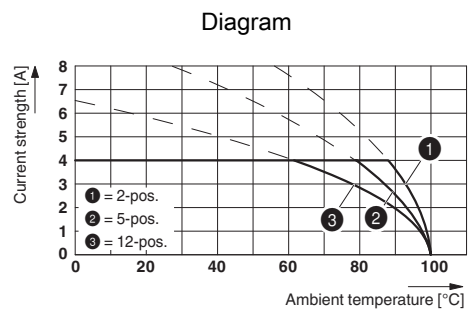
Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5



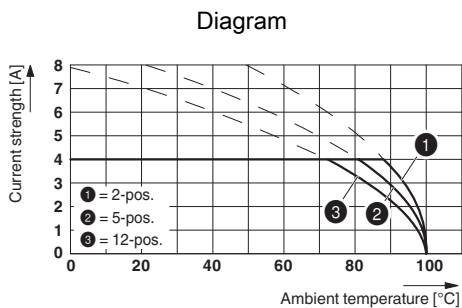
Type: FK-MC 0,5/...-ST-2,5 with MCV 0,5/...-G-2,5 THT



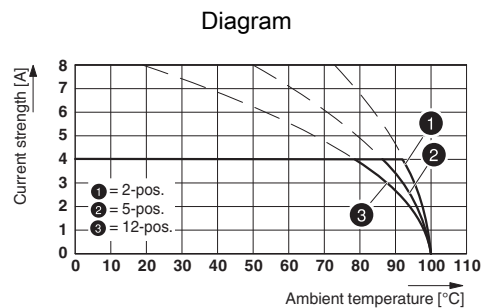
Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5 THT



Type: FK-MC 0,5/...-ST-2,5 with MCD 0,5/...-G1-2,5



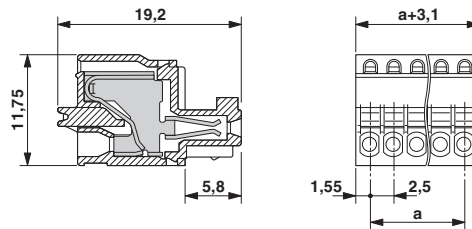
Type: FK-MC 0,5/...-ST-2,5 with MCDV 0,5/...-G1-2,5



Type: FK-MC 0,5/...-ST-2,5 with MCV 0,5/...-G-2,5

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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

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UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Printed-circuit board connector - FK-MC 0,5/ 9-ST-2,5 - 1881396

Approvals

Approval details

| | | | |
|--------------------------------|--|---|--------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | | | B |
| mm ² /AWG/kcmil | | | 28-20 |
| Nominal current I _N | | | 4 A |
| Nominal voltage U _N | | | 125 V |

| | | | |
|---|--|---|----------|
| VDE Gutachten mit Fertigungsüberwachung | | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40013394 |
| | | | |
| mm ² /AWG/kcmil | | | 0.2-0.5 |
| Nominal current I _N | | | 4 A |
| Nominal voltage U _N | | | 100 V |

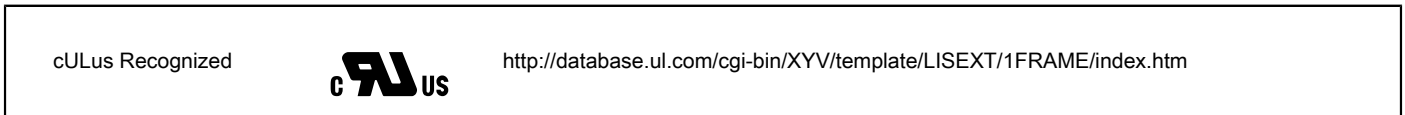
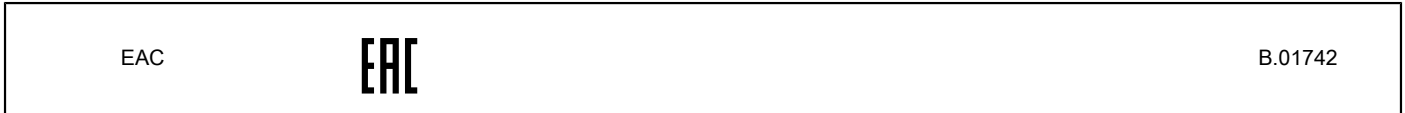
| | | | |
|--------------------------------|--|---|--------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | | | B |
| mm ² /AWG/kcmil | | | 28-20 |
| Nominal current I _N | | | 4 A |
| Nominal voltage U _N | | | 125 V |

| | | | |
|--------------------------------|--|---|----------------|
| IECEE CB Scheme | | http://www.iecee.org/ | DE1-56068-B1B2 |
| | | | |
| mm ² /AWG/kcmil | | | 0.2-0.5 |
| Nominal current I _N | | | 4 A |
| Nominal voltage U _N | | | 100 V |

| | | | |
|--------------------------------|--|--|----------------|
| CCA | | | CCA/ DE1 34250 |
| | | | |
| mm ² /AWG/kcmil | | | 0.2-0.5 |
| Nominal current I _N | | | 4 A |
| Nominal voltage U _N | | | 100 V |

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Approvals



Accessories

Accessories

Labeled terminal marker

Marker card - SK 2,54/2,8:FORTL.ZAHLEN - 0804853



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: adhesive, for terminal block width: 2.54 mm, Lettering field: 2.54 x 2.8 mm

Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

Additional products

Base strip - MC 0,5/ 9-G-2,5 - 1881516



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - FK-MC 0,5/ 9-ST-2,5 - 1881396

Accessories

Base strip - MCV 0,5/ 9-G-2,5 - 1881626



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MCD 0,5/ 9-G1-2,5 - 1894875



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MCDV 0,5/ 9-G1-2,5 - 1894985



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MCD 0,5/ 9-G1-2,5 HT BK - 1961216



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 mm, Color: black, contact surface: Tin, mounting: THR soldering, Standard component made of highly temperature resistant plastic; suitable for reflow process. User information and design recommendations on Through Hole Reflow Technology can be found at: "Downloads".

Printed-circuit board connector - MCDV 0,5/ 9-G1-2,5 HT BK - 1961313



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 mm, Color: black, contact surface: Tin, mounting: THR soldering, Standard component made of highly temperature resistant plastic; suitable for reflow process. User information and design recommendations on Through Hole Reflow Technology can be found at: "Downloads".

Printed-circuit board connector - FK-MC 0,5/ 9-ST-2,5 - 1881396

Accessories

Printed-circuit board connector - MC 0,5/ 9-G-2,5 THT - 1963492



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 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 0,5/ 9-G-2,5 THT - 1963609



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 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 - MC 0,5/ 9-G-2,5 THT R44 - 1963719



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 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 0,5/ 9-G-2,5 THT R44 - 1963829



Header, nominal current: 4 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.5 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations on Through Hole Reflow Technology can be found at: "Downloads"