

Printed-circuit board connector - FMC 0,5/ 9-ST-2,54 - 1821164

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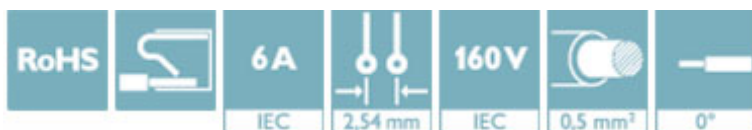
PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold



The figure shows a 10-position version of the product

Why buy this product

- Gold-plated contacts ensure transfer quality remains stable over the long term
- 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
- Optimized for tight installation situations: operation and conductor connection from one direction



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 100 STK |
| GTIN | |
| GTIN | 4046356789325 |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 15.85 mm |
| Width [w] | 23.36 mm |
| Height [h] | 5.35 mm |
| Pitch | 2.54 mm |
| Dimension a | 20.32 mm |

General

| | |
|---------------------|---------------------------|
| Range of articles | FMC 0,5/...-ST |
| Type of contact | Female connector |
| Number of positions | 9 |
| Connection method | Push-in spring connection |

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Technical data

General

| | |
|--|---------------------|
| Insulating material group | IIIa |
| 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) | 32 V |
| Rated voltage (III/2) | 160 V |
| Rated voltage (II/2) | 160 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I _N | 6 A |
| Nominal cross section | 0.5 mm ² |
| Insulating material | LCP |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 7 mm |

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. | 0.34 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.25 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 20 |

Standards and Regulations

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

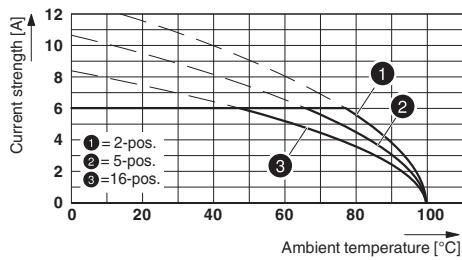
Environmental Product Compliance

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

Drawings

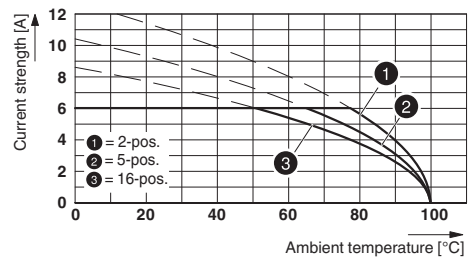
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Diagram



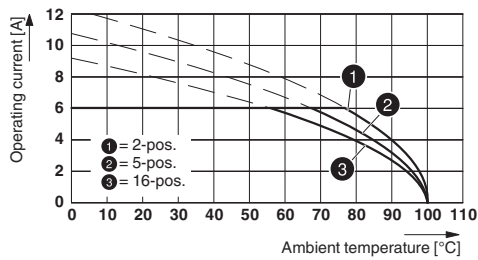
Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..

Diagram



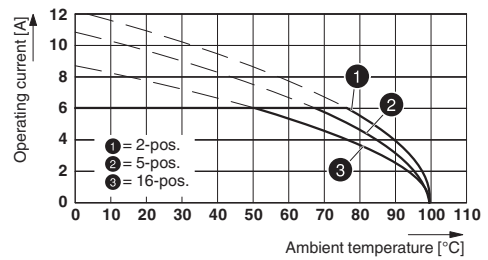
Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

Diagram



Type FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 SMD R..

Diagram



Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 SMD R..

Approvals

Approvals

Approvals

cULus Recognized / VDE Gutachten mit Fertigungsüberwachung / IEC60320 CB Scheme / EAC


Ex Approvals


Approval details

| | | | |
|----------------------------|-------|---|-----------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm | E60425-19920306 |
| | B | C | |
| Nominal voltage UN | 150 V | 50 V | |
| Nominal current IN | 6 A | 6 A | |
| mm ² /AWG/kcmil | 26-20 | 26-20 | |

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Approvals

| | | | |
|--|---|--|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40042258 |
| Nominal voltage UN | | 160 V | |
| Nominal current IN | | 6 A | |
| mm ² /AWG/kcmil | | 0.14-0.5 | |

| | | | |
|----------------------------|---|---|--------------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-55663-B1 |
| Nominal voltage UN | | 160 V | |
| Nominal current IN | | 6 A | |
| mm ² /AWG/kcmil | | 0.14-0.5 | |

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

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