

Printed-circuit board connector - FMC 0,5/ 2-ST-2,54 - 1821096

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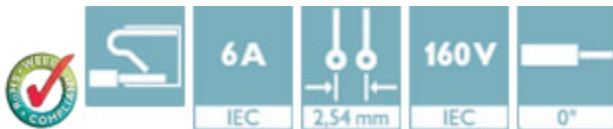
Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 2.54 mm, Connection method: Push-in spring connection, Color: black, Contact surface: Gold



The figure shows a 10-position version of the product

Product Features

- 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 | 1 pc |
| Weight per Piece (excluding packing) | 0.4 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|-------------|---------|
| Length | 15.4 mm |
| Height | 5.4 mm |
| Width | 5.54 mm |
| Pitch | 2.54 mm |
| Dimension a | 2.54 mm |

General

| | |
|-------------------|----------------|
| Range of articles | FMC 0,5/...-ST |
|-------------------|----------------|

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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 |
| Maximum load current | 6 A |
| Insulating material | LCP |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 7 mm |
| Number of positions | 2 |

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 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002638 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

| cULus Recognized | | |
|--------------------------------|-------|-------|
| | B | C |
| mm ² /AWG/kcmil | 26-20 | 26-20 |
| Nominal current I _N | 6 A | 6 A |
| Nominal voltage U _N | 150 V | 50 V |

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Approvals

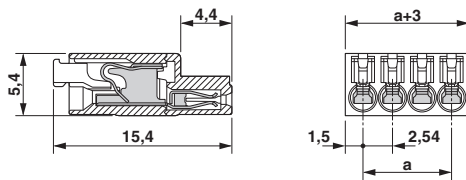
| | |
|---|----------|
| VDE Gutachten mit Fertigungsüberwachung | |
| mm ² /AWG/kcmil | 0.14-0.5 |
| Nominal current I _N | 6 A |
| Nominal voltage U _N | 160 V |

| | |
|--------------------------------|----------|
| IECEE CB Scheme | |
| mm ² /AWG/kcmil | 0.14-0.5 |
| Nominal current I _N | 6 A |
| Nominal voltage U _N | 160 V |

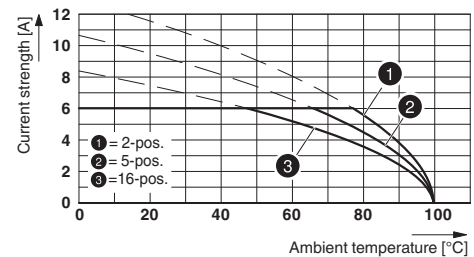
| |
|-----|
| EAC |
|-----|

Drawings

Dimensional drawing



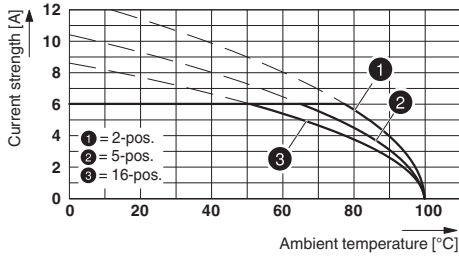
Diagram



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

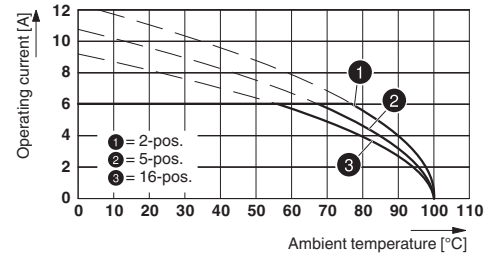
Printed-circuit board connector - FMC 0,5/ 2-ST-2,54 - 1821096

Diagram



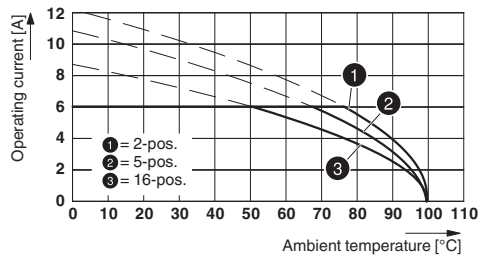
Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

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..