

Printed-circuit board connector - FMC 0,5/16-ST-2,54 C2 - 1706226

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 16, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold, Fixed coding of last position; can be combined with MC(V) 0,5/...-G-2,54...C2 headers



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 | 4046356841399 |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 15.85 mm |
| Width [w] | 41.1 mm |
| Height [h] | 5.35 mm |
| Pitch | 2.54 mm |
| Dimension a | 38.1 mm |

General

| | |
|---------------------|---------------------------|
| Range of articles | FMC 0,5/...-ST |
| Type of contact | Female connector |
| Number of positions | 16 |
| Connection method | Push-in spring connection |

Printed-circuit board connector - FMC 0,5/16-ST-2,54 C2 - 1706226

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 |

Approvals

Approvals

Approvals

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

Printed-circuit board connector - FMC 0,5/16-ST-2,54 C2 - 1706226

Approvals

Ex Approvals

Approval details

| | | | |
|----------------------------|--|---|-----------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/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 |

| | | | |
|---|--|---|----------|
| 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 |
|-----|--|--|---------|

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
 Flachsmarktstr. 8
 32825 Blomberg
 Germany
 Tel. +49 5235 300
 Fax +49 5235 3 41200
<http://www.phoenixcontact.com>