

# Printed-circuit board connector - FMC 0,5/16-ST-2,54 C1 - 1706245

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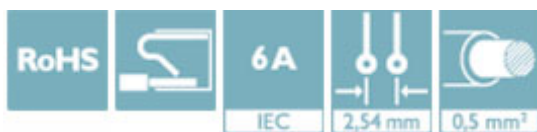
PCB connector, nominal current: 6 A, number of positions: 16, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold, Fixed coding of the first position, can be combined with MC(V) 0,5/...-G-2,54...C1 headers



The figure shows a 10-position version of the product

## Your advantages

- 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 pc        |
| GTIN         |               |
| GTIN         | 4046356841245 |

## Technical data

### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 14 mm    |
| Width [ w ]  | 41.14 mm |
| Height [ h ] | 5.35 mm  |
| Pitch        | 2.54 mm  |
| Dimension a  | 38.1 mm  |

### General

|                           |                           |
|---------------------------|---------------------------|
| Range of articles         | FMC 0,5/...-ST            |
| Number of positions       | 16                        |
| Connection method         | Push-in spring connection |
| Insulating material group | IIIa                      |

## Printed-circuit board connector - FMC 0,5/16-ST-2,54 C1 - 1706245

### Technical data

#### General

|                                        |                     |
|----------------------------------------|---------------------|
| 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 <sup>2</sup> |
| Insulating material                    | LCP                 |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 7 mm                |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.34 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 0.25 mm <sup>2</sup> |
| 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     |

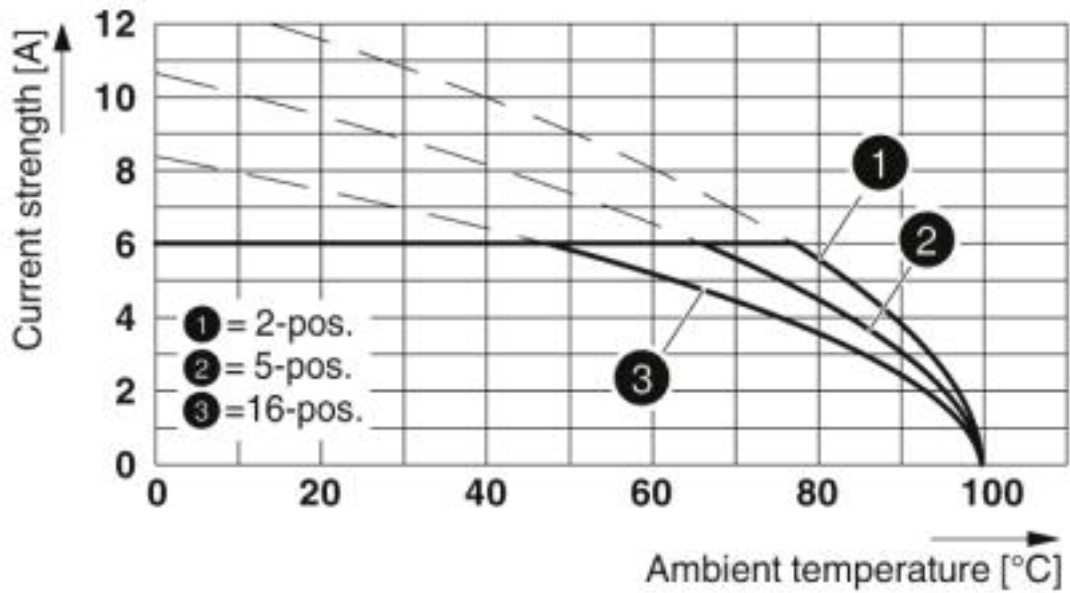
#### Environmental Product Compliance

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

### Drawings

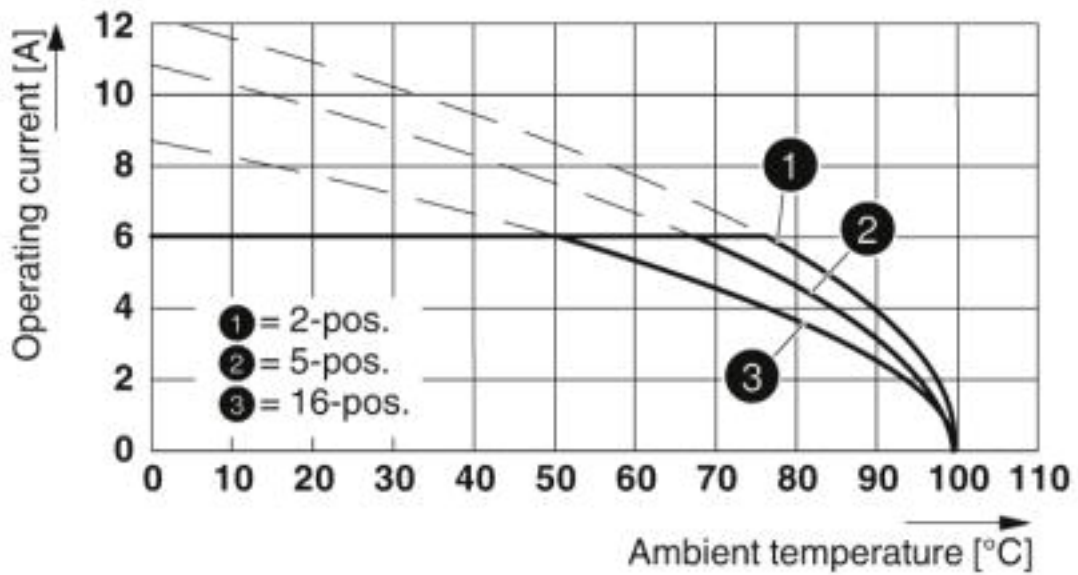
# Printed-circuit board connector - FMC 0,5/16-ST-2,54 C1 - 1706245

Diagram



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

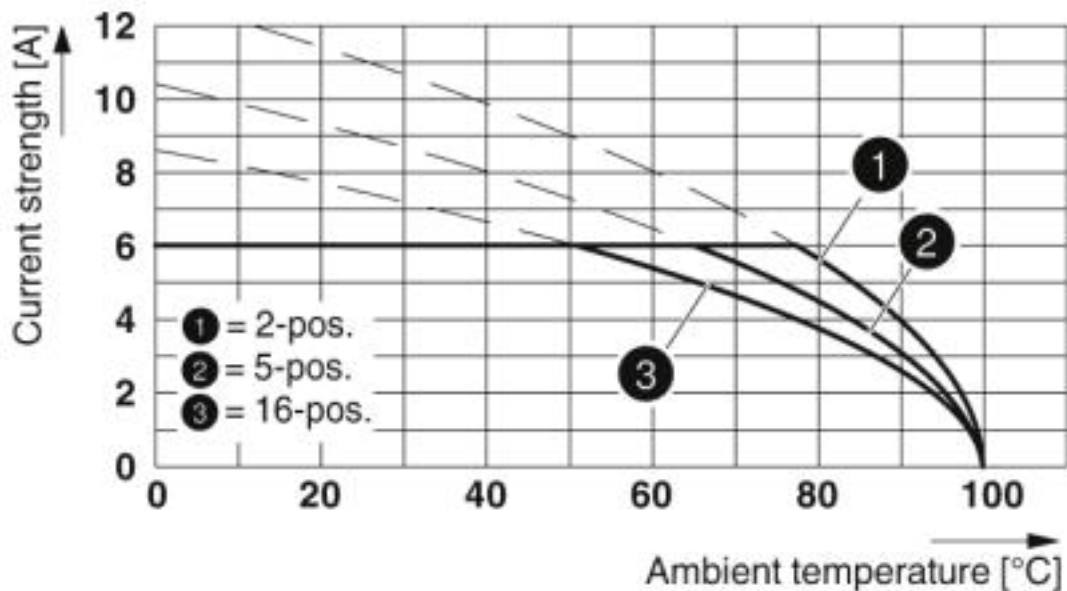
Diagram



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

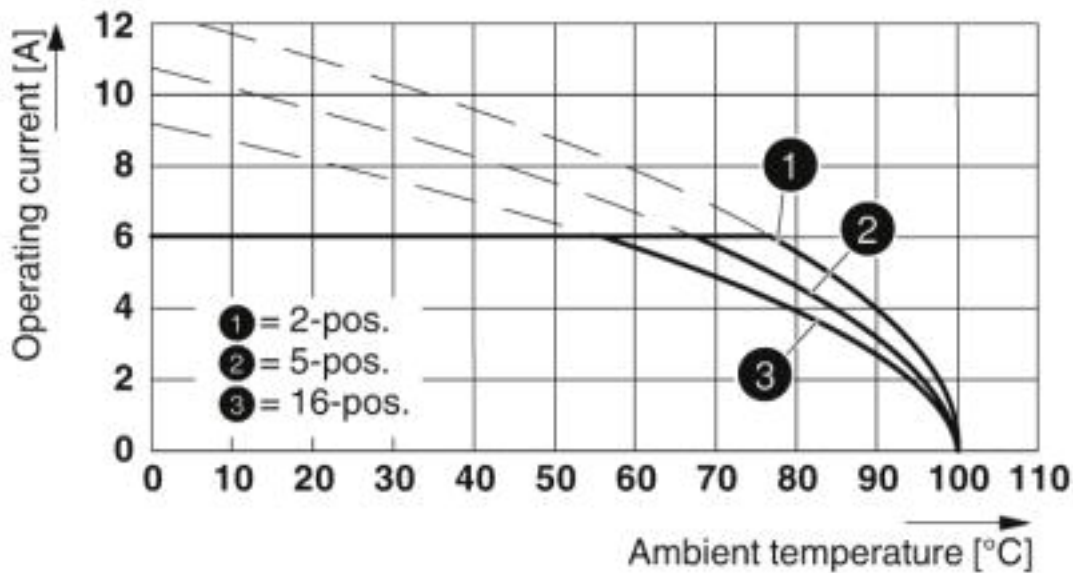
# Printed-circuit board connector - FMC 0,5/16-ST-2,54 C1 - 1706245

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..

Approvals

Approvals

# Printed-circuit board connector - FMC 0,5/16-ST-2,54 C1 - 1706245


## Approvals


### Approvals


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


### Ex Approvals

### Approval details

|                            |                                                                                   |                                                           |              |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|--------------|
| IECEE CB Scheme            |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-55663-B1 |
| Nominal voltage UN         | 160 V                                                                             |                                                           |              |
| Nominal current IN         | 6 A                                                                               |                                                           |              |
| mm <sup>2</sup> /AWG/kcmil | 0.14-.5                                                                           |                                                           |              |

|                                         |                                                                                     |                                                                                                                                                                                                           |          |
|-----------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40042258 |
| Nominal voltage UN                      | 160 V                                                                               |                                                                                                                                                                                                           |          |
| Nominal current IN                      | 6 A                                                                                 |                                                                                                                                                                                                           |          |
| mm <sup>2</sup> /AWG/kcmil              | 0.14-.5                                                                             |                                                                                                                                                                                                           |          |

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

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

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