

## Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 C2 - 1706240

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Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Connection method: Spring-cage 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



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 200 pc  |
| Minimum order quantity               | 200 pc  |
| GTIN                                 | <br>4 046356 841283 |
| Weight per Piece (excluding packing) | 22220.0 g   |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Length      | 15.4 mm  |
| Height      | 5.4 mm   |
| Width       | 13.16 mm |
| Pitch       | 2.54 mm  |
| Dimension a | 10.16 mm |

#### General

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

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## Technical data

### General

|   |                     |
|---|---------------------|
| 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                 |
| Inflammability class according to UL 94 | V0                  |
| Stripping length                        | 7 mm                |
| Number of positions                     | 5                   |

### 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 stranded min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 0.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 0.34 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve min.    | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.    | 0.25 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min.                                     | 26                   |
| Conductor cross section AWG/kcmil max                                      | 20                   |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |

### ETIM

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

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |

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### Classifications

#### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 11    | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2  | 39121432 |

### Accessories

#### Accessories

##### Connector

Ferrule - A 0,25- 7 - 3202478



Ferrule, Length: 7 mm, Color: silver

Ferrule - A 0,34- 7 - 3009202



Ferrule, Length: 7 mm, Color: silver

#### Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

#### 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

## Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 C2 - 1706240

### Accessories

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

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### Additional products

Base strip - MC 0,5/ 5-G-2,54 P20THRR44C2 - 1706203



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components, Fixed coding of the last position, can be combined with the FMC 0,5/....-ST-2,54 C2 connector

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Base strip - MCV 0,5/ 5-G-2,54 P20THRR44C2 - 1706165



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components, Fixed coding of the last position, can be combined with the FMC 0,5/....-ST-2,54 C2 connector

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Base strip - MC 0,5/ 5-G-2,54 SMDR24C2 - 1706128



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components, Fixed coding of the last position, can be combined with the FMC 0,5/....-ST-2,54 C2 connector

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Base strip - MCV 0,5/ 5-G-2,54 SMDR44C2 - 1706090



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components, Fixed coding of the last position, can be combined with the FMC 0,5/....-ST-2,54 C2 connector

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### Drawings

## Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 C2 - 1706240

Dimensioned drawing

