

## INDUSTRIAL COMPONENT DATA

# FMC 0,5/ 8-ST-2,54 C1 1706255 PHOENIX CONTACT Plug component, Nominal current: 6 A, Rated voltage (III/2): 1..

Brand: PHOENIX CONTACT | Manufacturer Part Number: FMC 0,5/ 8-ST-2,54 C1



|                 |                       |
|-----------------|-----------------------|
| Manufacturer    | PHOENIX CONTACT       |
| MPN / Reference | FMC 0,5/ 8-ST-2,54 C1 |
| Catalog number  | 1706255               |
| Category        | Cable connector       |
| Minimum order   | 100 Pcs               |
| Document ID     | EO-B451409128         |
| Generated       | 2026-08-03            |

## Product Overview

Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 8, 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

Connector for printed circuit board, nominal section: 0.5 mm<sup>2</sup>, color: black, nominal current: 6 A, nominal voltage (III/2): 160 V, contact surface: Gold, contact type: Female, number of potentials: 8, number of rows: 1, number of poles: 8, number of connections: 8, article family: FMC 0.5/.. -ST, pitch: 2.54mm, connection type: Push-in spring connection, conductor/printed circuit board connection direction: 0°, plug-in system: COMBICON FMC 0.5, locking: without, fixing type: without, packing type: box-packed, first pole fixed coding; can be combined with MC(V) 0.5/...-G-2.54...C1 base housings

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path PHOENIX CONTACT &gt; PCB Connectors (PCC)

## Additional Product Information

## Dimensions

Length 15.4 mm

Height 5.4 mm

Width 20.78 mm

Pitch 2.54 mm

Dimension a 17.78 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  
Rated voltage (II/2) 160 V  
Connection in acc. with standard EN-VDE  
Nominal current I<sub>N</sub> 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  
Number of positions 8  
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  
ETIM for 1706255 Connectors (EC002638)  
Feature Name  
Feature Value  
Type of connection (EF000064)  
Other  
Contact type (EF001587)  
Bus  
Number of poles (EF001391)  
8  
Number of plug-in contact rows (EF006935)  
1  
Modular spacing contacts (EF007326)  
2.54 mm  
Modular spacing connections (EF006827)  
2.54 mm  
Angle contact/conductor connection (EF007546)  
Other  
Rated...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / FMC 0,5/ 8-ST-2,54 C1 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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