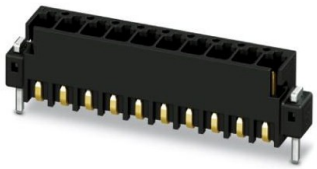
INDUSTRIAL COMPONENT DATA

# MCV 0,5/12-G-2,54 SMDR56C1 1706100 PHOENIX CONTACT Printed-circuit board connector

**Brand: PHOENIX CONTACT | Manufacturer Part Number: MCV 0,5/12-G-2,54 SMDR56C1**



| | |
|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | MCV 0,5/12-G-2,54 SMDR56C1 |
| Catalog number | 1706100 |
| Category | Printed circuit board connector |
| Minimum order | 315 Pcs |
| Document ID | EO-96CE60189A |
| Generated | 2026-11-18 |

## Product Overview

Printed-circuit board connector
Printed circuit board base housing, nominal section: 0.5 mm², color: black, nominal current: 6 A, dimensioning voltage (III/2): 160 V, contact surface: Gold, contact type: Male, Number of potentials: 12, Number of rows: 1, Number of poles per row: 12, number of connections: 12, family of articles: MCV 0.5/.. -G-SMD, pitch: 2.54 mm, mounting: SMD soldering, pin arrangement: Linear pad geometry, pin length [P]: 2 mm, Stecksystem: MICRO COMBICON - FMC 0.5, Lock: without, packaging type: 56 mm wide strap, Fixed first pole coding, can be combined with FMC connector 0.5/...-ST-2.54 C1

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 > PCB Connectors (PCC) |

## Additional Product Information

Key Commercial Data
Orderkey 1706100
Packing unit 315 pc
Minimum order quantity 315 pc
Note Made to Order (non-returnable)
Catalog page Page 179 (C-1-2013)
GTIN 4046356842402
Weight per Piece (excluding packing) 2.220 g
Custom tariff number 85366930
Country of origin PL (Poland)

Dimensions
Length [ l ] 4.85 mm
Width 35.06 mm
Pitch 2.54 mm
Dimension a 27.94 mm
Width [ w ] 35.06 mm
Height [ h ] 7.1 mm
Height 7.1 mm
Length of the solder pin 2 mm
Pin dimensions 0.64 x 0.64 mm
Length 4.85 mm
General
Range of articles MCV 0,5/..-G-SMD
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 IN 6 A
Insulating material LCP
Flammability rating according to UL 94 V0
Color black
Number of positions 12
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
Classifications
eCl@ss 4.0272607xxeCl@ss 4.127260701eCl@ss 5.027260701eCl@ss 5.127260700eCl@ss 6.027260700eCl@ss 7.027440402eCl@ss 8.027440402eCl@ss 9.027440402
ETIM 3.0EC001121ETIM 4.0EC002637ETIM 5.0EC002637ETIM 6.0EC002637
UNSPSC 6.0130211810UNSPSC 7.090139121409UNSPSC 1139121409UNSPSC 12.0139121409UNSPSC 13.239121409

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCV 0,5/12-G-2,54 SMDR56C1 with the required quantity to info@electricaonline.com or use 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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