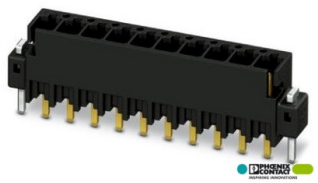
INDUSTRIAL COMPONENT DATA

# MCV 0,5/16-G-2,54 P20THRR72C1 1706171 PHOENIX CONTACT Header, Nominal current: 6 A, Rated voltage (III/2): 1..

**Brand: PHOENIX CONTACT | Manufacturer Part Number: MCV 0,5/16-G-2,54 P20THRR72C1**



| | |
|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | MCV 0,5/16-G-2,54 P20THRR72C1 |
| Catalog number | 1706171 |
| Category | Printed circuit board connector |
| Minimum order | 1 Pcs |
| Document ID | EO-E39FD48AA1 |
| Generated | 2026-11-19 |

## Product Overview

MCV 0,5/16-G-2,54 P20THRR72C1 1706171 PHOENIX CONTACT Header, Nominal current: 6 A, Rated voltage (III/2): 1..

STRUCTURED PRODUCT DATA

## Technical Specifications

| TECHNICAL ATTRIBUTE | VALUE |
|---|---|
| Connector model (EF007495) | **Fixed connector** |
| Contact type (EF001587) | **Pin** |
| Number of poles (EF001391) | **16** |
| Number of plug-in contact rows (EF006935) | **1** |
| Modular spacing contacts (EF007326) | **2.54 mm** |
| Modular spacing connections (EF006827) | **2.54 mm** |
| Rated current In (EF008250) | **6 A** |
| Rated voltage (EF000228) | **160 V** |
| Rated surge voltage (EF002993) | **2.5 kV** |
| Over voltage category (EF006785) | **III** |
| Pollution degree (EF006786) | **2** |
| Material of contact surface (EF004020) | **Gold** |
| Type of electric connection (EF003961) | **Other** |
| Diameter connection pin (EF006823) | **1.2 mm** |

CONTINUED

## Technical Specifications

| TECHNICAL ATTRIBUTE | VALUE |
|---|---|
| **Length pin (EF006825)** | **2 mm** |
| Material insulation body (EF007543) | **Other** |
| Housing colour (EF000136) | **Black** |
| Inflammability class of insulation material according to UL94 (EF002521) | **V0** |
| Operating temperature (EF002393) | **-40 °C** |
| Type of fastening (EF002442) | **Other** |
| Type of banding (EF007011) | **Other** |

## Classification & Catalog Path

| | |
|---|---|
| Catalog path | **PHOENIX CONTACT > PCB Connectors (PCC)** |

## Additional Product Information

Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components, Fixed coding of the first position, can be combined with the FMC 0,5/...-ST-2,54 C1 connector
Printed circuit board base housing, nominal section: 0.5 mm², color: black, nominal current: 6 A, nominal voltage (III/2): 160 V, contact surface: Gold, contact type: Male, number of potentials: 16, number of rows: 1, number of poles: 16, number of connections: 16, family of articles: MCV 0.5/.. -G-THR, pitch: 2.54 mm, mounting: Solder THR, pin arrangement: Linear pin arrangement, pin length [P]: 2 mm, number of solder pins per potential: 1, plug-in system: COMBICON FMC 0.5, Plug-in face orientation: Standard, lock: without, fixing type: without, packaging type: 72 mm wide strap, Fixed first pole coding, can be combined with FMC 0.5/...-ST-2.54 C1 connector

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**
Send PHOENIX CONTACT / MCV 0,5/16-G-2,54 P20THRR72C1 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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