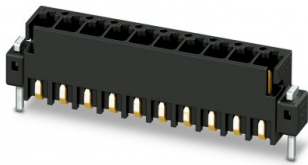


INDUSTRIAL COMPONENT DATA

MCV 0,5/ 8-G-2,54 SMDR44C2 1706087 PHOENIX CONTACT Header, Nominal current: 6 A, Rated voltage (III/2): 160 ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCV 0,5/ 8-G-2,54 SMDR44C2



Manufacturer	PHOENIX CONTACT
MPN / Reference	MCV 0,5/ 8-G-2,54 SMDR44C2
Catalog number	1706087
Category	Printed circuit board connector
Minimum order	315 Pcs
Document ID	EO-A815863827
Generated	2026-08-04

Product Overview

Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 8, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: SMD soldering, Fixed coding of the last position, can be combined with the FMC 0,5/...-ST-2,54 C2 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: 8, number of rows: 1, number of poles: 8, number of connections: 8, family of articles: MCV 0.5/.. -G-SMD, pitch: 2.54 mm, mounting: SMD soldering, 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: 44 mm wide strap, Fixed last pole coding, can be combined with FMC 0.5/...-ST-2.54 C2 connector

PCB headers, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Au, contact connection type: Pin, number of potentials: 8, number of rows: 1, number of positions: 8, number of connections: 8, product range: MCV 0,5/..-G-SMD, pitch: 2.54 mm, mounting: SMD soldering, pin layout: Linear pad geometry, solder pin [P]: 2 mm, number of solder pins per potential: 1, plug-in system: COMBICON FMC 0,5, Pin connector patter...

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

Technical dataProduct propertiesProduct type PCB headers
Product family MCV 0,5/..-G-SMD

Product line COMBICON Connectors XS

Number of positions 8

Pitch 2.54 mm

Number of connections 8

Number of rows 1

Number of potentials 8

Mounting flange without

Pin layout Linear pad geometry

Solder pins per potential 1

Data management status

Article revision 01

Electrical propertiesNominal current IN 6 A

Nominal voltage UN 160 V

Contact resistance 2.6 m Ω

Rated voltage (III/3) 32 V

Rated surge voltage (III/3) 2.5 kV

Rated voltage (III/2) 160 V

Rated surge voltage (III/2) 2.5 kV

Rated voltage (II/2) 160 V

Rated surge voltage (II/2) 2.5 kV

MountingMounting type SMD soldering

Pin layout Linear pad geometry

Processing notes

Process Reflow soldering

Moisture Sensitive Level MSL 1

Classification temperature Tc 260 °C

Solder cycles in the reflow 3

Material specificationsMaterial data - contact

Note WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201

Contact material Cu alloy

Surface characteristics Completely gold-plated

Metal surface contact area (top layer) Gold (0.25 Au)

Metal surface contact area (middle layer) Nickel (2 - 4 μ m Ni)

Metal surface soldering area (top layer) Gold (0.25 Au)

Metal surface soldering area (middle layer) Nickel (2 - 4 μ m Ni)

Material data - housing

Color (Housing) black (9005)

Insulating material LCP

Insulating material group IIIa

CTI according to IEC 60112 175

Flammability rating according to UL 94 V0

DimensionsDimensional drawing

Pitch...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCV 0,5/ 8-G-2,54 SMDR44C2 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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