INDUSTRIAL COMPONENT DATA

# MCO 1,5/ 5-G1L-3,5 BK 2201421 PHOENIX CONTACT Printed-circuit board connector

**Brand: PHOENIX CONTACT | Manufacturer Part Number: MCO 1,5/ 5-G1L-3,5 BK**



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| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | MCO 1,5/ 5-G1L-3,5 BK |
| Catalog number | 2201421 |
| Category | Printed circuit board connector |
| Minimum order | 100 Pcs |
| Document ID | EO-1D04F95D10 |
| Generated | 2026-11-18 |

## Product Overview

Printed-circuit board connector
Printed circuit board base housing, nominal section: 1.5 mm², color: black, nominal current: 8 A, nominal voltage (III/2): 160 V, contact type: Male, number of potentials: 5, number of rows: 1, number of poles: 5, number of connections: 5, family of articles: MCO 1.5/.. -G1L, pitch: 3.5 mm, mounting: Wave welding, pin arrangement: Linear pin arrangement, pin length [P]: 2 mm, locking: without, Item with side pin output on the left
PCB headers, nominal cross section: 1.5 mm2, color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Pin, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: MCO 1,5/..-G1L, pitch: 3.5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 2 mm, plug-in system: COMBICON MC 1,5, Pin connector pattern alignment: Orthogonal, locking: without, Product with pin output on left side

STRUCTURED PRODUCT DATA

## Technical Specifications

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

## Classification & Catalog Path

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| Catalog path | PHOENIX CONTACT > Housing (HS) |

## Additional Product Information

Technical dataProduct propertiesProduct type PCB headers
Product family MCO 1,5/..-G1L
Type Header perpendicular to the PCB
Number of positions 5
Pitch 3.5 mm
Number of connections 5

Number of rows 1
Number of potentials 5
Pin layout Linear pinning
Electrical propertiesNominal current IN 8 A
Nominal voltage UN 160 V
Contact resistance 1.6 m?
Rated voltage (III/3) 160 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) 320 V
Rated surge voltage (II/2) 2.5 kV
MountingMounting type Wave soldering
Pin layout Linear pinning
Material specificationsMaterial data - contact
Contact material Cu alloy
Surface characteristics tin-plated
Material data - housing
Color (Housing) black (9005)
Insulating material PA
Insulating material group I
CTI according to IEC 60112 600
Flammability rating according to UL 94 V0
Glow wire flammability index GWFI according to EN 60695-2-12 850
Glow wire ignition temperature GWIT according to EN 60695-2-13 775
Temperature for the ball pressure test according to EN 60695-10-2 125 °C
DimensionsDimensional drawing
Pitch 3.5 mm
Width [w] 19.95 mm
Height [h] 17.8 mm
Length [l] 14.55 mm
Solder pin length [P] 2 mm
Pin dimensions 0.8 x 0.8 mm
PCB design
Hole diameter 1.2 mm
Mechanical testsVisual inspection
Specification IEC 60512-1-1:2002-02
Result Test passed
Dimension check
Specification IEC 60512-1-2:2002-02
Result Test passed
Resistance of inscriptions
Specification IEC 60068-2-70:1995-12
Res...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCO 1,5/ 5-G1L-3,5 BK 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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