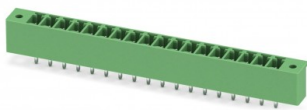


## INDUSTRIAL COMPONENT DATA

# MCV 1,5/18-GF-3,81-LR 1818342 PHOENIX CONTACT

## Feed-through header

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCV 1,5/18-GF-3,81-LR



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | MCV 1,5/18-GF-3,81-LR           |
| Catalog number  | 1818342                         |
| Category        | Printed circuit board connector |
| Minimum order   | 50 Pcs                          |
| Document ID     | EO-C8079F9671                   |
| Generated       | 2026-08-05                      |

### Product Overview

#### Feed-through header

Printed circuit board base housing, nominal section: 1.5 mm<sup>2</sup>, color: green, nominal current: 8 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Male, number of potentials: 18, number of rows: 1, number of poles: 18, number of connections: 18, family of articles: MCV 1.5/.. -GF-LR, pitch: 3.81 mm, mounting: Wave welding, pin arrangement: Linear pin arrangement, pin length [P]: 3.4 mm, number of welding pins per potential: 1, plug-in system: COMBICON MC 1.5, Plug-in face orientation: Standard, locking: Snap-in lock, fixing type: Lock & Release air clamping (thread), packaging type: boxed

PCB headers, nominal cross section: 1.5 mm<sup>2</sup>, color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Pin, number of potentials: 18, number of rows: 1, number of positions: 18, number of connections: 18, product range: MCV 1,5/..-GF-LR, pitch: 3.81 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.4 mm, number of solder pins per potential: 1, plug-in system: COMBICON MC 1,5, Pin connector pattern alignment: Standard, locking: Lock-and-release locking system, mounting: Lock & release threaded flange, type of packaging: packed in cardboard

## 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 1,5/..-GF-LR

Product line COMBICON Connectors S

Type Standard  
Number of positions 18  
Pitch 3.81 mm  
Number of connections 18  
Number of rows 1  
Number of potentials 18  
Mounting flange Lock & release threaded flange  
Pin layout Linear pinning  
Solder pins per potential 1  
Data management status  
Article revision 01  
Electrical propertiesNominal current IN 8 A  
Nominal voltage UN 160 V  
Contact resistance 1.2 mΩ  
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) 250 V  
Rated surge voltage (II/2) 2.5 kV  
MountingMounting type Wave soldering  
Pin layout Linear pinning  
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 Tin-plated  
Metal surface contact area (top layer) Tin (3 - 5 μm Sn)  
Metal surface contact area (middle layer) Nickel (1 - 3 μm Ni)  
Metal surface soldering area (top layer) Tin (3 - 5 μm Sn)  
Metal surface soldering area (middle layer) Nickel (1 - 3 μm Ni)  
Material data - housing  
Color (Housing) green (6021)  
Insulating material PBT  
Insulating material group IIIa  
CTI according to IEC 60112 225  
Flammability rating according to UL 94 V0  
DimensionsDimensional drawing  
Pitch 3.81 mm  
Width [w] 78.97 mm  
Height [h] 12.6 mm  
Length [l] 7.25 mm  
Installed height 9.2 mm  
Solder pin length [P] 3.4...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCV 1,5/18-GF-3,81-LR 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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