

## INDUSTRIAL COMPONENT DATA

# IMCV 1,5/ 5-G-3,5 P20 THR 1830744 PHOENIX CONTACT

## Feed-through header

Brand: PHOENIX CONTACT | Manufacturer Part Number: IMCV 1,5/ 5-G-3,5 P20 THR



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | IMCV 1,5/ 5-G-3,5 P20 THR       |
| Catalog number  | 1830744                         |
| Category        | Printed circuit board connector |
| Minimum order   | 50 Pcs                          |
| Document ID     | EO-C0D55FED05                   |
| Generated       | 2026-08-05                      |

## Product Overview

Feed-through header

Printed circuit board base case, nominal section: 1.5 mm<sup>2</sup>, color: black, nominal current: 8 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Female, number of potentials: 5, number of rows: 1, number of poles: 5, number of connections: 5, article family: IMCV 1,5/..-G-THR, pitch: 3.5 mm, mounting: Solder THR, pin arrangement: Linear pin arrangement, pin length [P]: 1.9 mm, number of solder pins per potential: 2, plug-in system: COMBICON MC 1,5, Plug-in face orientation: Standard, lock: without, fixing type: without, packaging type: boxed

PCB headers, nominal cross section: 1.5 mm<sup>2</sup>, color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: IMCV 1,5/..-G-THR, pitch: 3.5 mm, mounting: THR soldering / wave soldering, pin layout: Linear pinning, solder pin [P]: 1.9 mm, number of solder pins per potential: 2, plug-in system: COMBICON MC 1,5, Pin connector pattern alignment: Standard, locking: without, mounting: without, 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 IMCV 1,5/..-G-THR

Product line COMBICON Connectors S

Type Inverted

Number of positions 5

Pitch 3.5 mm  
Number of connections 5  
Number of rows 1  
Number of potentials 5  
Mounting flange without  
Pin layout Linear pinning  
Solder pins per potential 2  
Data management status  
Article revision 01  
Electrical propertiesNominal current  $I_N$  8 A  
Nominal voltage  $U_N$  160 V  
Contact resistance 0.9 m $\Omega$   
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 THR soldering / wave soldering  
Pin layout Linear pinning  
Processing notes  
Process Reflow/wave soldering  
Moisture Sensitive Level MSL 1  
Classification temperature  $T_c$  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 hot-dip tin-plated  
Metal surface contact area (top layer) Tin (2 - 4  $\mu$ m Sn)  
Metal surface soldering area (top layer) Tin (2 - 4  $\mu$ m Sn)  
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 3.5 mm  
Width [w] 18.3 mm  
Height [h] 16.35 mm  
Length [l] 6.3 mm  
Installed height 14.45 mm  
Solder pin...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / IMCV 1,5/ 5-G-3,5 P20 THR 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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