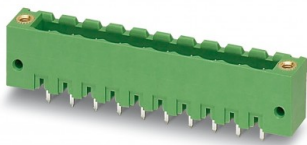


## INDUSTRIAL COMPONENT DATA

# MSTBV 2,5/ 6-GF-5,08 BK AU 1106294 PHOENIX CONTACT

## Housing base printed circuit board, number of poles: 6, p..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBV 2,5/ 6-GF-5,08 BK AU



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | MSTBV 2,5/ 6-GF-5,08 BK AU      |
| Catalog number  | 1106294                         |
| Category        | Printed circuit board connector |
| Minimum order   | 1000 Pcs                        |
| Document ID     | EO-87AE3869D8                   |
| Generated       | 2026-08-06                      |

### Product Overview

Housing base printed circuit board, number of poles: 6, pitch: 5,08 mm, color: black  
Printed circuit board base housing, nominal section: 2.5 mm<sup>2</sup>, color: black, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Gold, contact connection type: Male, number of rows: 1, number of poles: 6, family of articles: MSTBV 2,5/..-GF, pitch: 5.08 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.9 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, Plug-in face orientation: Standard, locking: Screw lock, fixing type: Air clamping (thread), packaging type: boxed  
PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Au, contact connection type: Pin, number of rows: 1, number of positions: 6, product range: MSTBV 2,5/..-GF, pitch: 5.08 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.9 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, Pin connector pattern alignment: Standard, locking: Screw locking mechanism, mounting: 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 MSTBV 2,5/..-GF  
Product line COMBICON Connectors M  
Number of positions 6  
Pitch 5.08 mm

Number of rows 1  
Pin layout Linear pinning  
Solder pins per potential 1  
Data management status  
Article revision 00  
Electrical propertiesNominal current IN 12 A  
Nominal voltage UN 320 V  
Contact resistance 2.9 mΩ  
Rated voltage (III/3) 250 V  
Rated surge voltage (III/3) 4 kV  
Rated voltage (III/2) 320 V  
Rated surge voltage (III/2) 4 kV  
Rated voltage (II/2) 400 V  
Rated surge voltage (II/2) 4 kV  
MountingMounting type Wave soldering  
Pin layout Linear pinning  
Flange  
Tightening torque 0.3 Nm  
Attachment on the PCB  
Tightening torque 0.3 Nm  
Screw Sheet metal screw ISO 1481-ST 2,2x6,5 C or ISO 7049-ST 2,2x6,5 C  
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 partially gold-plated  
Metal surface contact area (top layer) Gold (0.8 - 1.4 μm Au)  
Metal surface contact area (middle layer) Nickel (1 - 3 μm Ni)  
Metal surface soldering area (top layer) Tin (5 - 7 μm Sn)  
Metal surface soldering area (middle layer) Nickel (1 - 3 μm Ni)  
Material data - housing  
Color (Housing) black (9005)  
Insulating material PBT  
Insulating material group IIIa  
CTI according to IEC 60112 225  
Flammability rating according to UL 94 V0  
NotesNotes on operation In accordance with IEC 61984, COMBICON connectors have no switching power (CO...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBV 2,5/ 6-GF-5,08 BK AU 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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