

## INDUSTRIAL COMPONENT DATA

# DFK-MSTBA 2,5/ 4-GF-5,08 BK 1021711 PHOENIX CONTACT

## Feed-through header DFK-MSTBA 2,5/ 4-GF-5,08 BK 1021711

Brand: PHOENIX CONTACT | Manufacturer Part Number: DFK-MSTBA 2,5/ 4-GF-5,08 BK



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | DFK-MSTBA 2,5/ 4-GF-5,08 BK     |
| Catalog number  | 1021711                         |
| Category        | Printed circuit board connector |
| Minimum order   | 50 Pcs                          |
| Document ID     | EO-6CF6F86640                   |
| Generated       | 2026-08-04                      |

### Product Overview

Feed-through header - DFK-MSTBA 2,5/ 4-GF-5,08 BK - 1021711

Wall pass-through housing, nominal section: 2.5 mm<sup>2</sup>, color: graphite black, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Male, number of potentials: 4, number of rows: 1, number of poles: 4, number of connections: 4, family of articles: DFK-MSTBA 2,5/..-GF, pitch: 5.08 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.2 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

Feed-through header, nominal cross section: 2.5 mm<sup>2</sup>, color: graphite black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: DFK-MSTBA 2,5/..-GF, pitch: 5.08 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.23 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 Feed-through header  
Product family DFK-MSTBA 2,5/..-GF  
Product line COMBICON Connectors M  
Number of positions 4

Pitch 5.08 mm  
Number of connections 4  
Number of rows 1  
Number of potentials 4  
Pin layout Linear pinning  
Solder pins per potential 1  
Data management status  
Article revision 01  
Electrical propertiesNominal current  $I_N$  12 A  
Nominal voltage  $U_N$  320 V  
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 to feed-through panel  
Tightening torque 0.3 Nm  
Screw 0708263 DFK-MSTB SS for housing walls of up to 6 mm thick  
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  $\mu\text{m}$  Sn)  
Metal surface contact area (middle layer) Nickel (1 - 3  $\mu\text{m}$  Ni)  
Metal surface soldering area (top layer) Tin (3 - 5  $\mu\text{m}$  Sn)  
Metal surface soldering area (middle layer) Nickel (1 - 3  $\mu\text{m}$  Ni)  
Material data - housing  
Color (Housing) graphite black (9011)  
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 connecto...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / DFK-MSTBA 2,5/ 4-GF-5,08 BK 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.