

## INDUSTRIAL COMPONENT DATA

# MSTB 2,5 HC/ 5-GF-5,08 CR2,4 1480252 PHOENIX CONTACT

## Printed circuit board base housing, nominal section: 2...

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTB 2,5 HC/ 5-GF-5,08 CR2,4



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | MSTB 2,5 HC/ 5-GF-5,08 CR2,4    |
| Catalog number  | 1480252                         |
| Category        | Printed circuit board connector |
| Minimum order   | 1000 Pcs                        |
| Document ID     | EO-550E182930                   |
| Generated       | 2026-08-05                      |

### Product Overview

Printed circuit board base housing, nominal section: 2.5 mm<sup>2</sup>, color: green, nominal current: 16 A (see derating curve), nominal voltage (III/2): 320 V, contact surface: Sn, contact connection type: Male, number of rows: 1, number of poles: 5, family of articles: MSTB 2.5 HC/.. -GF, pitch: 5.08 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.23 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2.5 HC, Plug-in face orientation: Standard, locking: Screw lock, fixing type: Aerial clamping (thread), packaging type: boxed

PCB base housing, nominal cross-section: 2.5 mm<sup>2</sup>, colour: green, nominal current: 16 A (see rating curve), nominal voltage (III/2): 320 V, surface contacts: Tin, contact type: Male, number of rows: 1, number of poles: 5, article family: MSTB 2.5 HC/.. -GF, pitch: 5.08 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.5 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2.5 HC, Plug-in Face Orientation: Standard, Locking: Screw Locking, Fastening Type: Overhead Clamping (Thread), Packaging Type: Boxed

## 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 dataItem PropertiesProduct Line COMBICON Connectors M

Product Type Printed circuit board base housing

Product Family MSTB 2.5 HC/.. -GF

Number of poles 5

Step 5.08 mm

Number of rows 1

Pin Design Linear Pin Arrangement  
Number of Solder Pins Per Potential 1  
Electrical PropertiesNominal Current  $I_N$  16 A (see rating curve)  
Nominal voltage UN 320 V  
Degree of pollution 3  
Contact resistance 1 m?  
Sizing voltage (III/3) 320 V  
Dimensioning transient voltage (III/3) 4 kV  
Dimensioning voltage (III/2) 320 V  
Dimensioning Transient Voltage (III/2) 4 kV  
Nominal voltage (II/2) 630 V  
Dimensioning transient voltage (II/2) 4 kV  
assemblyType of mounting Wave soldering  
Pin Design Linear Pin Arrangement  
bridle  
Tightening torque 0.3 Nm  
Fixing on the printed circuit board  
Tightening torque 0.3 Nm  
Screw ISO 1481-ST 2.2x6.5 C or ISO 7049-ST 2.2x6.5 C sheet metal screw  
Material DataMaterial data - contact  
Observation WEEE/RoHS compliant, filament-free according to IEC 60068-2-82/JEDEC JESD 201  
Contact material Cu Alloy  
Surface Characteristics Galvanically tinned  
Metal surface contact area (top layer) Tin (3 - 5  $\mu$ m Sn)  
Metal Surface Contact Area (Middle Layer) Nickel (1.3 - 3  $\mu$ m Ni)  
Metal surface weld area (top layer) Tin (3 - 5  $\mu$ m Sn)  
Metal Surface Welding Area (Middle Layer) Nickel (1.3 - 3  $\mu$ m Ni)  
Material data - housing  
Color (Housing) Green (6021)  
Insulating material PA  
Insulating material group I  
CTI according to IEC 60112 600  
Flammability class according to UL 94 V0  
Flammability number of...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTB 2,5 HC/ 5-GF-5,08 CR2,4 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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