

## INDUSTRIAL COMPONENT DATA

# MSTBO 2,5/ 3-G1R RD 2278296 PHOENIX CONTACT

## Electronic housing

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBO 2,5/ 3-G1R RD



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | MSTBO 2,5/ 3-G1R RD             |
| Catalog number  | 2278296                         |
| Category        | Printed circuit board connector |
| Minimum order   | 200 Pcs                         |
| Document ID     | EO-1E11D61A4A                   |
| Generated       | 2026-08-06                      |

### Product Overview

#### Electronic housing

Printed circuit board base housing, nominal section: 2.5 mm<sup>2</sup>, color: red, nominal current: 12 A, nominal voltage (III/2): 320 V, contact type: Male, number of potentials: 3, number of rows: 1, number of poles: 3, number of connections: 3, family of articles: MSTBO 2.5/..-G1R, pitch: 5 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, lock: without, packaging type: boxed, Item with right side pin output

PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: red, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MSTBO 2,5/..-G1R, pitch: 5 mm, connection method: pluggable, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, Pin connector pattern alignment: Orthogonal, locking: without, type of packaging: packed in cardboard, Product with pin output on right side

## 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 > Housing (HS) |
|--------------|--------------------------------|

### Additional Product Information

Technical dataProduct propertiesProduct type PCB headers

Product family MSTBO 2,5/..-G1R

Product line COMBICON Connectors M

Number of positions 3

Pitch 5 mm  
Number of connections 3  
Number of rows 1  
Number of potentials 3  
Pin layout Linear pinning  
Solder pins per potential 1  
Data management status  
Article revision 02  
Electrical propertiesNominal current  $I_N$  12 A  
Nominal voltage  $U_N$  250 V  
Contact resistance 1.6 m $\Omega$   
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) 630 V  
Rated surge voltage (II/2) 4 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  
Material data - housing  
Color (Housing) red (3001)  
Insulating material PA  
Insulating material group I  
CTI according to IEC 60112 600  
Flammability rating according to UL 94 V0  
Glow wire flammability index GWFI according to EN 60695-2-12 850  
Glow wire ignition temperature GWIT according to EN 60695-2-13 775  
Temperature for the ball pressure test according to EN 60695-10-2 125 °C  
DimensionsPitch 5 mm  
Width [w] 14.95 mm  
Height [h] 16.5 mm  
Length [l] 14.65 mm  
Solder pin length [P] 3.5 mm  
Pin dimensions 1 x 1 mm  
PCB design  
Hole diameter 1.4 mm  
Mechanical testsVisual inspection  
Specification IEC 60512-1-1:2002-02  
Result Test passed  
Dimension chec...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBO 2,5/ 3-G1R RD 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

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