

INDUSTRIAL COMPONENT DATA

MSTBW 2,5/ 5-GF-5,08 4,45 ABAU 1845112 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBW 2,5/ 5-GF-5,08 4,45 ABAU



Manufacturer	PHOENIX CONTACT
MPN / Reference	MSTBW 2,5/ 5-GF-5,08 4,45 ABAU
Catalog number	1845112
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-69D4D5E229
Generated	2026-08-05

Product Overview

Printed-circuit board connector

Printed circuit board base housing, nominal section: 2.5 mm², color: agate gray, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Gold, contact type: Male, number of potentials: 5, number of rows: 1, number of poles: 5, number of connections: 5, family of articles: MSTBW 2.5/.. -GF(4.45), 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, Plug-in face orientation: Standard, locking: Screw lock, fixing type: Air clamping (thread), packaging type: boxed packaging, Golden contact surface / colour: Grey RAL 7038

PCB headers, nominal cross section: 2.5 mm², color: agate gray, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Au, contact connection type: Pin, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: MSTBW 2,5/..-GF(4,45), pitch: 5.08 mm, 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: Standard, locking: Screw locking mechanism, mounting: Threaded flange, type of packaging: packed in cardboard, Gold-plated contact surface / color: Gray RAL 7038

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 MSTBW 2,5/..-GF(4,45)

Product line COMBICON Connectors Special

Type Components DeviceNet compatible

Number of positions 5

Pitch 5.08 mm

Number of connections 5

Number of rows 1

Number of potentials 5

Mounting flange Threaded flange

Pin layout Linear pinning

Solder pins per potential 1

Data management status

Article revision 04

Electrical propertiesNominal current IN 12 A

Nominal voltage UN 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

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 Completely gold-plated

Metal surface contact area (top layer) Gold (0.8 - 1.4 µm Au)

Metal surface contact area (middle layer) Nickel (2 - 4 µm Ni)

Metal surface soldering area (top layer) Gold (0.8 - 1.4 µm Au)

Metal surface soldering area (middle layer) Nickel (2 - 4 µm Ni)

Material data - housing

Color (Housing) agate gray (7038)

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

Temperatur...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBW 2,5/ 5-GF-5,08 4,45 ABAU with the required quantity to info@electricaonline.com or use 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.