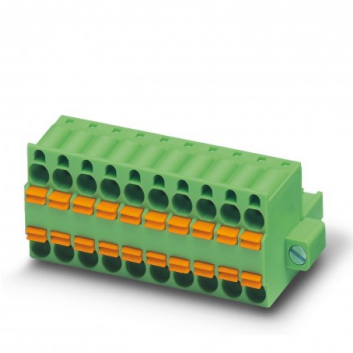
INDUSTRIAL COMPONENT DATA

TFKC 2,5/ 8-STF-5,08BKAUNZ42SO 1708230 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: TFKC 2,5/ 8-STF-5,08BKAUNZ42SO



Manufacturer	PHOENIX CONTACT
MPN / Reference	TFKC 2,5/ 8-STF-5,08BKAUNZ42SO
Catalog number	1708230
Category	Cable connector
Minimum order	50 Pcs
Document ID	EO-2E2EA053C2
Generated	2026-11-19

Product Overview

Printed-circuit board connector
Connector for printed circuit board, nominal section: 2.5 mm², color: black, nominal current: 12 A, dimensioning voltage (III/2): 320 V, contact surface: Gold, contact type: Female connection, number of potentials: 8, number of definitions: 1, number of poles: 8, number of connections: 16, family of articles: TFKC 2.5/.. -STF, pitch: 5.08 mm, connection type: Push-in spring connection, conductor connection direction/printed circuit board: 0 °, Clamping hook: - Clamping hook, plug-in system: CLASSIC COMBICON, Locking: Screw locking, fixing type: Air clamping (screw), packaging type: boxed PCB connector, nominal cross section: 2.5 mm2, color: black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Au, contact connection type: Socket, number of potentials: 8, number of rows: 1, number of positions: 8, number of connections: 16, product range: TFKC 2,5/..-STF, pitch: 5.08 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: Screw locking mechanism, mounting: Screw 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 connector
Product family TFKC 2,5/..-STF
Product line COMBICON Connectors M
Number of positions 8
Pitch 5.08 mm

Number of connections 16
Number of rows 1
Number of potentials 8
Mounting flange Screw flange
Data management status
Article revision 02
Electrical propertiesNominal current IN 12 A
Nominal voltage UN 320 V
Contact resistance 1.5 m?
Rated voltage (III/3) 320 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
Conductor connection I2 / I3
Current carrying capacity 24 A
Plug-in contact I1
Current carrying capacity 12 A
Connection dataConnection technology
Type Components DeviceNet compatible
Connector system COMBICON MSTB 2,5
Nominal cross section 2.5 mm²
Contact connection type Socket
Interlock
Locking type Screw locking mechanism
Mounting flange Screw flange
Tightening torque 0.3 Nm
Conductor connection
Connection method Push-in spring connection
Connection direction of the conductor to plug-in direction 0 °
0 °
Conductor/PCB connection direction 0 °
Conductor cross section rigid 0.2 mm² ... 2.5 mm²
Conductor cross section flexible 0.2 mm² ... 2.5 mm²
Conductor cross section AWG 24 ... 12
Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm² ... 2.5 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve 0.25 mm² ... 2.5 mm²
2 conductors with the same cross section, flexible...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TFKC 2,5/ 8-STF-5,08BKAUNZ42SO 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

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