

INDUSTRIAL COMPONENT DATA

FRONT 2,5-H/SA10- 9 BK TS 1784541 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: FRONT 2,5-H/SA10-9 BK TS



Manufacturer	PHOENIX CONTACT
MPN / Reference	FRONT 2,5-H/SA10-9 BK TS
Catalog number	1784541
Category	Printed circuit board terminal
Minimum order	10 Pcs
Document ID	EO-8213F9FF6E
Generated	2026-08-04

Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 24 A, nominal voltage (III/2): 400 V, nominal cross-section: 2.5 mm², number of potentials: 9, number of rows: 1, number of poles per row: 9, article family: FRONT 2.5-H/SA10, pitch: 5 mm, connection type: Front screw connection, mounting: Wave soldering, conductor connection direction/printed circuit board: 0°, color: black, Pin arrangement: Linear pin arrangement, Pin length [P]: 5 mm, number of solder pins per potential: 2, 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

Key Commercial Data

Orderkey 1784541

Packing unit 1

GTIN 4046356555319

Custom tariff number 85369010

Item properties

Brief article description PCB terminal block

Range of articles FRONT 2,5-H/SA10

Pitch 5 mm

Number of positions 9

Connection method Front screw connection

Screw thread M2,5

Mounting type Wave soldering

Pin layout Linear double pinning

Number of levels 1

Number of connections 9

Number of potentials 9

Electrical parameters

Rated current 24 A

Rated insulation voltage (III/2) 400 V

Rated surge voltage (III/2) 4 kV

Connection capacity

Conductor cross section solid 0.2 mm² ... 2.5 mm²

Conductor cross section flexible 0.2 mm² ... 2.5 mm²

Conductor cross section AWG / kcmil 24 ... 14

Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm² ... 1.5 mm²

Conductor cross section, flexible, with ferrule, with plastic sleeve 0.25 mm² ... 1.5 mm²

2 conductors with same cross section, solid 0.2 mm² ... 0.75 mm²

2 conductors with same cross section, flexible 0.2 mm² ... 0.75 mm²

2 conductors with same cross section, stranded, ferrules without plastic sleeve 0.25 mm² ... 0.34 mm²

Stripping length 9 mm

Torque 0.4 Nm ... 0.5 Nm

Material data - contact

Note WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201

Contact material Cu alloy

Surface characteristics hot-dip tin-plated

Metal surface terminal point (top layer) Tin (5 - 7 µm Sn)

Metal surface soldering area (top layer) Tin (5 - 7 µm Sn)

Material data - housing

Insulating mater...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / FRONT 2,5-H/SA10-9 BK TS 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.