INDUSTRIAL COMPONENT DATA

SC 2,5/ 2 3041312 PHOENIX CONTACT COMBI receptacle

Brand: PHOENIX CONTACT | Manufacturer Part Number: SC 2,5/ 2



Manufacturer	PHOENIX CONTACT
MPN / Reference	SC 2,5/ 2
Catalog number	3041312
Category	Terminal block connector
Minimum order	50 Pcs
Document ID	EO-16650226D2
Generated	2026-11-18

Product Overview

COMBI receptacle
COMBI coupling, rated voltage: 500 V, rated current: 24 A, number of connections: 1, number of poles: 2, connection type: Spring connection, Sizing cross-section: 2.5 mm², cross-section: 0.08 mm² - 4 mm², color: gray

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 > Modular TBs

Additional Product Information

Key Commercial Data
Orderkey 3041312
Packing unit 50 pc
Minimum order quantity 50 pc
Note Made to Order (non-returnable)
Catalog page Page 315 (C-1-2017)
GTIN 4017918922665
Weight per Piece (excluding packing) 6.640 g
Custom tariff number 85366990
Country of origin PL (Poland)
General
Number of positions 2
Number of levels 1
Number of connections 1

Potentials 2
Nominal cross section 2.5 mm²
Color gray
Insulating material PA
Flammability rating according to UL 94 V0
Area of application Railway industry
Machine building
Plant engineering
Maximum load current 24 A (with a 2.5 mm² conductor cross section)
Rated surge voltage 6 kV
Degree of pollution 3
Overvoltage category III
Insulating material group I
Maximum power dissipation for nominal condition 0.77 W
Maximum load current 24 A (with 4 mm² conductor cross section)
Nominal current IN 24 A
Nominal voltage UN 500 V
Open side panel Yes
Insertion/withdrawal cycles mechanical 100
Result of surge voltage test Test passed
Surge voltage test setpoint 7.3 kV
Result of power-frequency withstand voltage test Test passed
Power frequency withstand voltage setpoint 1.89 kV
Result of tight fit on support Test passed
Tight fit on carrier Metal wall 6 mm
Setpoint 1 N
Short circuit stability result Test passed
Conductor cross section short circuit testing 2.5 mm²
Short-time current 0.3 kA
Result of thermal test Test passed
Proof of thermal characteristics (needle flame) effective duration 30 s
Oscillation, broadband noise test result Test pas...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SC 2,5/ 2 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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