INDUSTRIAL COMPONENT DATA

SPDB 2,5/ 1-R 3043255 PHOENIX CONTACT Plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: SPDB 2,5/ 1-R



Manufacturer	PHOENIX CONTACT
MPN / Reference	SPDB 2,5/ 1-R
Catalog number	3043255
Category	Terminal block connector
Minimum order	50 Pcs
Document ID	EO-A701F1098D
Generated	2026-11-18

Product Overview

Plug
Connector, rated voltage: 500 V, rated current: 24 A, number of poles: 1, 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 3043255
Packing unit 50 pc
Minimum order quantity 50 pc
Catalog page Page 324 (C-1-2017)
GTIN 4017918895112
Weight per Piece (excluding packing) 5.460 g
Custom tariff number 85366990
Country of origin PL (Poland)
General
Number of positions 1
Number of levels 1
Number of connections 1
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 No
Relative insulation material temperature index (Elec., UL 746 B) 130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C
Static insulating material application in cold -60 °C
Behavior in fire for rail vehicles (DIN 5510-2) Test passed
Flame test method (DIN EN 60695-11-10) V0
Oxygen index (DIN EN ISO 4589-2) >32 %
NF F16-101, NF F10-102 Class I 2
NF F16-101, NF F10-102 Class F 2
Surface flammability NFPA 130 (ASTM E 162) passed
Specific optical density of smoke NFPA 130 (ASTM E 662) passed
Smoke gas toxicity NFPA 130 (SMP 800C) passed
Calorimetric heat release NFPA 130 (ASTM E 1354) 28 MJ/kg
Fire protection for rail...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SPDB 2,5/ 1-R 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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