

INDUSTRIAL COMPONENT DATA

SAC-3P-MR/2,5-PUR/BI-1L-Z SCO 1438888 PHOENIX CONTACT Cable for sensors/actuators, 3-pole, PUR, black RAL 90..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-MR/2,5-PUR/BI-1L-Z SCO



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-MR/2,5-PUR/BI-1L-Z SCO
Catalog number	1438888
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-1F2AE302B9
Generated	2026-08-06

Product Overview

Cable for sensors/actuators, 3-pole, PUR, black RAL 9005, Plug angled M12 SPEEDCON, a valve Connector BI (11 mm), with 1 LED, connected with Z Diode, cable length: 2.5 m

Sensor/actuator cable, 3-pole, M12 SPEEDCON angled connector, to BI valve connectors (11mm), with 1 LED, connected with Z-diode, cable length: 2.5 m

Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug angled M12 SPEEDCON, on Valve connector BI (11 mm), with 1 LED, Wiring: Z diode, cable length: 2.5 m

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 > Industrial Field Connectivity (IFC)

Additional Product Information

Technical dataProduct propertiesProduct type Sensor/actuator cable with valve connector

Number of positions 3

Electrical propertiesNominal voltage UN 24 V AC

24 V DC

ConnectorConnection 1

Type Plug angled M12 SPEEDCON

Number of positions 3

Locking type SPEEDCON

Connection 2

Type Valve connector BI (11 mm)

Number of positions 3

Cable/line Cable length 2.5 m

PUR halogen-free black [PUR]

Dimensional drawing

Cable weight 30 kg/km

UL AWM Style 20549

Number of positions 3

Shielded no

Cable type PUR halogen-free black [PUR]

Conductor structure signal line 28x 0.15 mm

AWG signal line 20

Conductor cross section 3x 0.5 mm²

Wire diameter incl. insulation 1.5 mm ±0.05 mm (Signal line)

External cable diameter 4.50 mm ±0.2 mm

Outer sheath, material PUR

External sheath, color black-gray RAL 7021

Conductor material Bare Cu litz wires

Material wire insulation PP

Single wire, color black 1, black 2, green/yellow

Overall twist 3 wires, twisted

Max. conductor resistance 39 ?/km (at 20 °C)

Insulation resistance min. 20 M?^{*}km

Nominal voltage, cable ≤ 300 V

Test voltage ≥ 1200 V

Minimum bending radius, fixed installation 5 x D

Minimum bending radius, flexible installation 10 x D

Smallest bending radius, fixed installation 22.5 mm

Smallest bending radius, movable installation 45 mm

Dynamic load capacity (bending) Max. bending cycles: 15000000, Bending radius: 50 mm, Traversing path: 0.9 m,

Traversing rate: 5 m/s, Acceleration: 30 m/s²

Halogen-free in accordance with DIN VDE 0472 part 815

Flame resis...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-MR/2,5-PUR/BI-1L-Z SCO 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.