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

PRODUCT IMAGE\nNOT AVAILABLE

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-ADCDFFCA09
Generated	2026-11-19

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/lineCable 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

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