

**INDUSTRIAL COMPONENT DATA**

# SAC-3P-MR/5,0-PUR/BI-1L-Z SCO 1438891 PHOENIX CONTACT Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-MR/5,0-PUR/BI-1L-Z SCO



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | PHOENIX CONTACT               |
| MPN / Reference | SAC-3P-MR/5,0-PUR/BI-1L-Z SCO |
| Catalog number  | 1438891                       |
| Category        | Sensor-actuator patch cord    |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-1989C74AD3                 |
| Generated       | 2026-08-06                    |

## Product Overview

Sensor/actuator cable

Sensor/actuator cable, 3-pole, M12 SPEEDCON angled connector, to BI valve connectors (11mm), with 1 LED, connected with Z-Diode, cable length: 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: 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 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 mm<sup>2</sup>  
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 Ω/km (at 20 °C)  
Insulation resistance min. 20 MΩ\*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/s<sup>2</sup>  
Halogen-free in accordance with DIN VDE 0472 part 815  
Flame resista...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-MR/5,0-PUR/BI-1L-Z SCO with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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