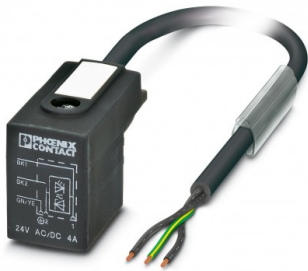


INDUSTRIAL COMPONENT DATA

SAC-3P- 5,0-PUR/BI-1L-Z 180 1438846 PHOENIX CONTACT

Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-5,0-PUR/BI-1L-Z 180



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-5,0-PUR/BI-1L-Z 180
Catalog number	1438846
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-D3395542F4
Generated	2026-08-06

Product Overview

Sensor/actuator cable

Sensor/Actuator Cable, 3-pole halogen-free, free cable end, to BI Valve Connectors (11mm), with 1 LED, connected with Z-Diode, cable length: 5 m

Sensor/actuator cable, 3-pole, halogen-free PUR, grey-black RAL 7021, free end, on Valve connector BI (11 mm), with 1 LED, Wiring: Zener 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

Key Commercial Data

Orderkey 1438846

Packing unit 1 pc

GTIN 4046356496711

Weight per Piece (excluding packing) 163.400 g

Custom tariff number 85444290

Country of origin PL (Poland)

Dimensions

Length of cable 5 m

Stripping length of the free conductor end 50 mm

Ambient conditions

Ambient temperature (operation) -20 °C ... 85 °C (valve plug)

Degree of protection IP65

IP67

General

Rated current at 40°C 4 A

Rated voltage 24 V AC

24 V DC

Number of positions 3

Insulation resistance $\geq 100 \text{ M}\Omega$

Status display 1 LED

Protective circuit/component Z diode

Overvoltage category III

Degree of pollution 3

Material

Flammability rating according to UL 94 V0

Valve plug contact material CuSn

Valve plug contact surface material Sn

Valve plug contact insert material PA 6.6

Material housing valve plug TPU

Sealing material TPU (Seal molded)

Standards and Regulations

Flammability rating according to UL 94 V0

Cable

Cable type PUR halogen-free black

Cable type (abbreviation) PUR

Cable abbreviation Li9Y11Y-HF

UL AWM style 20549

Conductor cross section $3 \times 0.5 \text{ mm}^2$

AWG signal line 20

Conductor structure signal line $28 \times 0.15 \text{ mm}$

Core diameter including insulation $1.5 \text{ mm} \pm 0.05 \text{ mm}$ (Signal line)

Wire colors black 1, black 2, green/yellow

Overall twist 3 wires, twisted

External sheath, color black-gray RAL 7021

External cable diameter $D 4.5 \text{ mm} \pm 0.2 \text{ mm}$

Smallest bending radius, fixed installation 22.5 mm

Number of bending cycles 15000000

Bending radius 50 mm

Traversing path 0.9 m

Traversing rate 5 m/s

Acceleration....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-5,0-PUR/BI-1L-Z 180 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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