

**INDUSTRIAL COMPONENT DATA**

# SAC-3P-20,0-PUR/M12FS VC 1431591 PHOENIX CONTACT

## Sensor/actuator cable, 3-pole, halogen-free PUR, greyish bl..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-20,0-PUR/M12FS VC



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | PHOENIX CONTACT            |
| MPN / Reference | SAC-3P-20,0-PUR/M12FS VC   |
| Catalog number  | 1431591                    |
| Category        | Sensor-actuator patch cord |
| Minimum order   | 50 Pcs                     |
| Document ID     | EO-C6850B5A52              |
| Generated       | 2026-08-03                 |

### Product Overview

Sensor/actuator cable, 3-pole, halogen-free PUR, greyish black RAL 7021, free cable end, to Straight female M12, coding: A, cable length: 20 m

Sensor/actuator cable, 3-position halogen-free, free cable end, on Socket straight M12, coding: A, cable length: 20 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 &gt; Industrial Field Connectivity (IFC)

### Additional Product Information

Technical dataProduct propertiesProduct type Sensor/actuator cable

Number of positions 3

No. of cable outlets 1

Coding A

Insulation characteristics

Overvoltage category II

Degree of pollution 3

Material specificationsFlammability rating according to UL 94 HB

Electrical propertiesContact resistance &lt;= 5 m?

Insulation resistance &gt;= 100 M?

Nominal voltage UN 250 V AC

250 V DC

Nominal current IN 4 A

**Mechanical properties**Mechanical dataInsertion/withdrawal cycles  $\geq 100$ 

SignalingStatus display No

Status display present No

ConnectorConnection 1

Type free cable end

Connection 2

Type Socket straight M12

Number of positions 3

Coding type A

Cable/lineCable length 20 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  $\pm 0.05$  mm (Signal line)External cable diameter 4.5 mm  $\pm 0.2$  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  $\Omega$ /km (at 20 °C)Insulation resistance min. 20 M $\Omega$ \*kmNominal voltage, cable  $\leq 300$  VTest voltage  $\geq 1200$  V

Minimum bending radius, fixed installation 5 x D

Minimum bending radius, flexible installation 10 x D

Smallest bending ra...

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send PHOENIX CONTACT / SAC-3P-20,0-PUR/M12FS VC 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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