

## INDUSTRIAL COMPONENT DATA

# SAC-5P- 5,0-PUR/M12FR SH S 1407833 PHOENIX CONTACT

## Sensor/actuator cable SAC-5P- 5,0-PUR/M12FR SH S 1407833

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P- 5,0-PUR/M12FR SH S



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | PHOENIX CONTACT            |
| MPN / Reference | SAC-5P- 5,0-PUR/M12FR SH S |
| Catalog number  | 1407833                    |
| Category        | Sensor-actuator patch cord |
| Minimum order   | 20 Pcs                     |
| Document ID     | EO-7286D32903              |
| Generated       | 2026-08-06                 |

### Product Overview

Sensor/actuator cable - SAC-5P- 5,0-PUR/M12FR SH S - 1407833

Sensor/actuator cable, PUR halogen-free, black-gray RAL 7021, shielded

## 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

Electrical propertiesNominal voltage UN 48 V AC

60 V DC

Cable/linePUR halogen-free black [PUR]

Dimensional drawing

Cable weight 43 kg/km

UL AWM Style 20549 / 10493 (80°C/300 V)

Number of positions 5

Shielded yes

Cable type PUR halogen-free black [PUR]

Conductor structure signal line 42x 0.10 mm

AWG signal line 22

Conductor cross section 5x 0.34 mm<sup>2</sup> (Signal line)

Wire diameter incl. insulation 1.27 mm ±0.02 mm (Signal line)

External cable diameter 5.25 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 brown, white, blue, black, gray  
Thickness, insulation  $\geq$  0.21 mm  
Thickness, outer sheath approx. 0.50 mm  
Overall twist 5 wires around filler to the core  
Optical shield covering 80 %  
Max. conductor resistance max. 57  $\Omega$ /km (at 20 °C)  
Insulation resistance 70 G $\Omega$ \*km (at 20 °C)  
Nominal voltage, cable 300 V (at 20 °C)  
Test voltage Core/Core 3000 V (at 20 °C)  
Smallest bending radius, fixed installation 26 mm  
Smallest bending radius, movable installation 52 mm (up to +60 °C)  
Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 52 mm, Traversing path: 10 m,  
Traversing rate: 3 m/s, Acceleration: 10 m/s<sup>2</sup>  
Halogen-free in accordance with DIN VDE 0472 part 815  
in accordance with DIN EN 50267-2-1  
Flame resistance in accordance with UL 758/1581 FT2  
DIN EN 60332-2-2 (20 s)  
Resistance to oil...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P- 5,0-PUR/M12FR SH S 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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