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**

PRODUCT IMAGE\nNOT AVAILABLE

| | |
|---|---|
| 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-8B9F3D0CBC |
| Generated | 2026-11-19 |

## 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 > 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 mm² (Signal line)
Wire diameter incl. insulation 1.27 mm ±0.02 mm (Signal line)

External cable diameter 5.25 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 brown, white, blue, black, gray
Thickness, insulation >= 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 ?/km (at 20 °C)
Insulation resistance 70 G?*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/s²
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 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.