

**INDUSTRIAL COMPONENT DATA**

# SAC-4P-M12MS/0,5-PUR/M 8FS SH 1416275 PHOENIX CONTACT Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-4P-M12MS/0,5-PUR/M 8FS SH



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | PHOENIX CONTACT               |
| MPN / Reference | SAC-4P-M12MS/0,5-PUR/M 8FS SH |
| Catalog number  | 1416275                       |
| Category        | Sensor-actuator patch cord    |
| Minimum order   | 50 Pcs                        |
| Document ID     | EO-BC9A79C1D7                 |
| Generated       | 2026-08-06                    |

## Product Overview

Sensor/actuator cable

Sensor/actuator cable, 4-pole, halogen-free PUR, greyish black RAL 7021, shielded, M12 straight male connector, coding: coded A, a Straight connection female M8, coding: coded A, cable length: 0.5 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 1416275

Packing unit 1

GTIN 4055626067513

Custom tariff number 85444290

Dimensions

Length of cable 0.5 m

Stripping length of the free conductor end 50 mm

Ambient conditions

Ambient temperature (operation) -25 °C ... 90 °C (Plug / socket)

General

Rated current at 40°C 4 A

Rated voltage 48 V AC

60 V DC  
Number of positions 4  
Insulation resistance  $\geq 100 \text{ M}\Omega$   
Coding A - standard  
Status display No  
Protective circuit/component unwired  
Overvoltage category II  
Degree of pollution 3  
Insertion/withdrawal cycles  $\geq 100$   
Material  
Flammability rating according to UL 94 HB  
Contact material CuSn  
Contact surface material Ni/Au  
Contact carrier material TPU GF  
Material of grip body TPU, hardly inflammable, self-extinguishing  
Material, knurls Zinc die-cast, nickel-plated  
Sealing material NBR  
Standards and Regulations  
Flammability rating according to UL 94 HB  
Cable  
Cable type PUR halogen-free black  
Cable type (abbreviation) PUR  
Cable abbreviation LiF9YC11Y  
UL AWM style 20549  
Conductor cross section  $4 \times 0.25 \text{ mm}^2$  (Signal line)  
AWG signal line 24  
Conductor structure signal line  $32 \times 0.10 \text{ mm}$   
Core diameter including insulation  $1.17 \text{ mm} \pm 0.02 \text{ mm}$  (Signal line)  
Thickness, insulation  $\geq 0.21 \text{ mm}$  (Core insulation)  
approx.  $0.5 \text{ mm}$  (Outer cable sheath)  
Wire colors brown, white, blue, black  
Overall twist 4 wires, twisted  
Shielding Braided copper wires  
Optical shield covering 80 %  
External sheath, color black-gray RAL 7021  
External cable diameter  $D 4.7 \text{ mm} \pm 0.15 \text{ mm}$   
Smallest bending radius, f...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-4P-M12MS/0,5-PUR/M 8FS SH 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

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.