

**INDUSTRIAL COMPONENT DATA**

# SAC-3P-M12Y/1,4/6,2-PUR/M12FR 1417946 PHOENIX

## CONTACT Sensor/actuator cable

### SAC-3P-M12Y/1,4/6,2-PUR/M12FR 14..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12Y/1,4/6,2-PUR/M12FR



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | PHOENIX CONTACT               |
| MPN / Reference | SAC-3P-M12Y/1,4/6,2-PUR/M12FR |
| Catalog number  | 1417946                       |
| Category        | Sensor-actuator patch cord    |
| Minimum order   | 250 Pcs                       |
| Document ID     | EO-04F404B32A                 |
| Generated       | 2026-08-06                    |

## Product Overview

Sensor/actuator cable - SAC-3P-M12Y/1,4/6,2-PUR/M12FR - 1417946

Sensor/actuator cable, 3-pole, halogen-free PUR, greyish black RAL 7021, Straight connector M12, to Elbowed Female M12

**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

Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021

Key Commercial Data

Orderkey 1417946

Packing unit 1

GTIN 4055626129433

Custom tariff number 85444290

General

Rated current at 40°C 4 A

Rated voltage 48 V AC

60 V DC

Number of positions 3

Coding A - standard  
Status display No  
Overvoltage category II  
Degree of pollution 3  
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 Li9Y11Y  
UL AWM style 20549  
Conductor cross section 3x 0.34 mm<sup>2</sup> (Signal line)  
AWG signal line 22  
Conductor structure signal line 42x 0.10 mm  
Core diameter including insulation 1.27 mm ±0.02 mm (Signal line)  
Thickness, insulation ≥ 0.21 mm (Core insulation)  
approx. 0.5 mm (Outer cable sheath)  
Wire colors brown, blue, black  
Overall twist 3 wires, twisted  
External sheath, color black-gray RAL 7021  
External cable diameter D 3.85 mm ±0.15 mm  
Smallest bending radius, fixed installation 19 mm  
Smallest bending radius, movable installation 38 mm  
Number of bending cycles 10000000  
Bending radius 44 mm  
Traversing path 10 m  
Traversing rate 3 m/s  
Acceleration 10 m/s<sup>2</sup>  
Cable weight 23 kg/km  
Outer sheath, material PUR  
Material conductor....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12Y/1,4/6,2-PUR/M12FR 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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