

**INDUSTRIAL COMPONENT DATA**

# SAC-3P-M12MS/10,0-PVC/M12FR 1696552 PHOENIX CONTACT Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MS/10,0-PVC/M12FR



|                 |                             |
|-----------------|-----------------------------|
| Manufacturer    | PHOENIX CONTACT             |
| MPN / Reference | SAC-3P-M12MS/10,0-PVC/M12FR |
| Catalog number  | 1696552                     |
| Category        | Sensor-actuator patch cord  |
| Minimum order   | 5 Pcs                       |
| Document ID     | EO-8045DE0680               |
| Generated       | 2026-08-06                  |

## Product Overview

Sensor/actuator cable

Sensor/actuator cable, 3-pole, PVC, black RAL 9005, Straight male connector M12, coding: A, to Female angled connection M12, coding: A, cable length: 10 m

Sensor/actuator cable, 3-position, PVC, black RAL 9005, Plug straight M12, coding: A, on Socket angled M12, coding: A, cable length: 10 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

Technical dataProduct propertiesProduct type Sensor/actuator cable

Number of positions 3

No. of cable outlets 1

Shielded no

Coding A

Insulation characteristics

Overvoltage category II

Degree of pollution 3

Material specificationsFlammability rating according to UL 94 HB

Seal material NBR

Material of grip body TPU, hardly inflammable, self-extinguishing

Contact material CuSn  
Contact surface material Ni/Au  
Contact carrier material TPU GF  
Material for screw connection Zinc die-cast, nickel-plated  
Electrical propertiesInsulation resistance  $\geq 100 \text{ M}\Omega$   
Nominal voltage UN 250 V AC  
250 V DC  
Nominal current IN 4 A  
Mechanical propertiesMechanical data  
Insertion/withdrawal cycles  $\geq 100$   
SignalingStatus display no  
Status display present No  
Connection dataConductor connection  
Tightening torque 0.4 Nm  
ConnectorConnection 1  
Type Plug straight M12  
Number of positions 3  
Coding type A  
Connection 2  
Type Socket angled M12  
Number of positions 3  
Coding type A  
Cable/lineCable length 10 m  
PVC black [PVC]  
Dimensional drawing  
Cable weight 40 kg/km  
UL AWM Style 2464 / 1729 (80°C/300 V)  
Number of positions 3  
Shielded no  
Cable type PVC black [PVC]  
Conductor structure signal line 19x 0.15 mm  
AWG signal line 22  
Conductor cross section 3x 0.34 mm<sup>2</sup> (Signal line)  
Wire diameter incl. insulation 1.26 mm  $\pm 0.05 \text{ mm}$   
External cable diameter 4.30 mm  $\pm 0.2 \text{ mm}$   
Outer sheath, material PVC  
External sheath, color black RAL 9005  
Conductor material Bare Cu litz wires  
Material wire insulation PVC  
Single wire, color brown, blue,....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MS/10,0-PVC/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

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

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