

**INDUSTRIAL COMPONENT DATA**

# SAC-3P-M12MS/ 1,5-800/M12FR 1456831 PHOENIX CONTACT

## Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MS/ 1,5-800/M12FR



|                 |                             |
|-----------------|-----------------------------|
| Manufacturer    | PHOENIX CONTACT             |
| MPN / Reference | SAC-3P-M12MS/ 1,5-800/M12FR |
| Catalog number  | 1456831                     |
| Category        | Sensor-actuator patch cord  |
| Minimum order   | 1 Pcs                       |
| Document ID     | EO-99435E710E               |
| Generated       | 2026-08-04                  |

### Product Overview

Sensor/actuator cable

Sensor/actuator cable, 3-pole, halogen-free, solder-resistant, highly flexible, grey RAL 7001, Straight male connector M12, coding: A, to Elbow connection female M12, coding: A, cable length: 1.5 m, for robotics and drag chains

Sensor/actuator cable, 3-position, PUR halogen-free, resistant to welding sparks, highly flexible, gray RAL 7001, Plug straight M12, coding: A, on Socket angled M12, coding: A, cable length: 1.5 m, for robots and drag chains

**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

Application Robots and drag chains

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 properties Insulation resistance  $\geq 100 \text{ M}\Omega$

Nominal voltage UN 250 V AC

250 V DC

Nominal current IN 4 A

Mechanical properties Mechanical data

Insertion/withdrawal cycles  $\geq 100$

Signaling Status display no

Status display present No

Connection data Conductor connection

Tightening torque 0.4 Nm (M12 connector)

Connector Connection 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/line Cable length 1.5 m

Gray, highly flexible PUR [800]

Dimensional drawing

Note Due to the extremely robust outer sheath, this cable should only be stripped in 5 cm increments.

Cable weight 28.3 kg/km

UL AWM Style 20549

Number of positions 3

Shielded no

Cable type Gray, highly flexible PUR [800]

Conductor structure signal line 42x 0.10 mm

AWG signal line 22

Conductor cross section 3x 0.34 mm<sup>2</sup> (Signal line)

Wire diameter incl. insulation 1.3 mm  $\pm 0.05$  mm (Signal line)

External cable diamete...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MS/ 1,5-800/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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