

INDUSTRIAL COMPONENT DATA

SAC-3P-M12MS/ 0,3-800/M12FR 1456815 PHOENIX CONTACT

Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MS/ 0,3-800/M12FR



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-M12MS/ 0,3-800/M12FR
Catalog number	1456815
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-14DF2D879F
Generated	2026-08-01

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: 0.3 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: 0.3 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 ≥ 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 0.3 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 mm² (Signal line)

Wire diameter incl. insulation 1.3 mm ± 0.05 mm (Signal line)

External cable diamete...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MS/ 0,3-800/M12FR 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.