INDUSTRIAL COMPONENT DATA

SAC-3P-M12MS/ 0,6-800/M12FS 1456789 PHOENIX CONTACT Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MS/ 0,6-800/M12FS



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-M12MS/ 0,6-800/M12FS
Catalog number	1456789
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-7D9F3AE398
Generated	2026-11-19

Product Overview

Sensor/actuator cable
Sensor/actuator cable, 3-pole, halogen-free, solder-resistant, highly flexible, grey RAL 7001, M12 straight male connector, encoding: A, to M12 straight connection female, coding: A, cable length: 0.6 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 straight M12, coding: A, cable length: 0.6 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 propertiesInsulation resistance >= 100 M?
Nominal voltage UN 250 V AC
250 V DC
Nominal current IN 4 A
Mechanical propertiesMechanical data
Insertion/withdrawal cycles >= 100
SignalingStatus display no
Status display present No
Connection dataConductor connection
Tightening torque 0.4 Nm (M12 connector)
ConnectorConnection 1
Type Plug straight M12
Number of positions 3
Coding type A
Connection 2
Type Socket straight M12
Number of positions 3
Coding type A
Cable/lineCable length 0.6 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 diame...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MS/ 0,6-800/M12FS 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.