

INDUSTRIAL COMPONENT DATA

SAC-3P-M 8MR/1,5-PUR/M12FS 1682401 PHOENIX CONTACT Sensor-/actorkabel

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M 8MR/1,5-PUR/M12FS



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-M 8MR/1,5-PUR/M12FS
Catalog number	1682401
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-3311F6E06D
Generated	2026-08-02

Product Overview

Sensor-/actorkabel

Sensor/actuator cable, 3-pole halogen-free, M8 angled connector, coding: A, a Straight female M12, coding: A, cable length: 1.5 m

Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug angled M8, coding: A, on Socket straight M12, coding: A, cable length: 1.5 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

Application Standard

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 48 V AC

60 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)

0.2 Nm (M8 connectors)

Connector Connection 1

Type Plug angled M8

Number of positions 3

Coding type A

Connection 2

Type Socket straight M12

Number of positions 3

Coding type A

Cable/line Cable length 1.5 m

PUR halogen-free black [PUR]

Dimensional drawing

Cable weight 18 kg/km

UL AWM Style 20549 / 10493 (80°C/300 V)

Number of positions 3

Shielded no

Cable type PUR halogen-free black [PUR]

Conductor structure signal line 32x 0.10 mm

AWG signal line 24

Conductor cross section 3x 0.25 mm² (Signal line)

Wire diameter incl. insulation 1.17 mm ± 0.02 mm

External cable diameter 3.60 mm ± 0.15 mm

Outer sheath, material PUR

External sheath, color black-gray RAL 7021

Conduct...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M 8MR/1,5-PUR/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.