

INDUSTRIAL COMPONENT DATA

SAC-5P-M12MS/1,0-810/M12FS 1416102 PHOENIX CONTACT

Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-M12MS/1,0-810/M12FS



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-M12MS/1,0-810/M12FS
Catalog number	1416102
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-8E480F0963
Generated	2026-08-05

Product Overview

Sensor/actuator cable

Sensor/actuator cable, 5-pole, halogen-free PUR, resistant to weld spatter, orange RAL 2003, M12 straight male connector, coding: A, to M12 straight connection female, coding: A, cable length: 1 m, for robotics and drag chains

Sensor/actuator cable, 5-pin, halogen-free, solder-resistant, orange RAL 2003, straight male M12, coding: A, on straight socket M12, coding: A, cable length: 1 m, for robots and energy 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

Key Commercial Data

Orderkey 1416102

Packing unit 1 pc

GTIN 4055626063737

Weight per Piece (excluding packing) 76.900 g

Custom tariff number 85444290

Country of origin PL (Poland)

Dimensions

Length of cable 1 m

Ambient conditions

Ambient temperature (operation) -25 °C ... 90 °C (Plug / socket)

Degree of protection IP65

IP67

IP68

General

Rated current at 40°C 4 A

Rated voltage 48 V AC

60 V DC

Number of positions 5

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

Coding A - standard

Standards/regulations M12 connector IEC 61076-2-101

Status display No

Protective circuit/component unwired

Overvoltage category II

Degree of pollution 3

Insertion/withdrawal cycles ≥ 100

Torque 0.4 Nm (M12 connector)

Material

Flammability rating according to UL 94 HB

Contact material CuSn

Contact surface material Ni/Au

Contact carrier material TPU GF

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

Material, knurls Zinc die-cast, nickel-plated

Sealing material NBR

Standards and Regulations

Standard designation M12 connector

Standards/regulations IEC 61076-2-101

Flammability rating according to UL 94 HB

Cable

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

Cable type PUR, halogen-free, highly flexible, welding-sputter resistant, orange

Cable type (abbreviation) 810

Cable abbreviation LiF9Y11Y

UL AWM style 20549 (80°C/300 V)

Conductor cross section $5 \times 0.34 \text{ mm}^2$

AWG signal line 22

Conductor structure signal line $42 \times 0.10 \text{ mm}$

Core diameter including in...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-M12MS/1,0-810/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.