

INDUSTRIAL COMPONENT DATA

SAC-4P-M12MS/3,0-500/M12FS FB 1420981 PHOENIX

CONTACT Sensor/actuator cable

SAC-4P-M12MS/3,0-500/M12FS FB 14..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-4P-M12MS/3,0-500/M12FS FB



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-4P-M12MS/3,0-500/M12FS FB
Catalog number	1420981
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-66C35B18B0
Generated	2026-08-05

Product Overview

Sensor/actuator cable - SAC-4P-M12MS/3,0-500/M12FS FB - 1420981

Sensor/Actuator Cable, 4-Pole, M12 Straight Connector, A-coding, to M12 Straight Female, A-coding, 3 m Cable Length, Stainless Steel Knurling

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

Sensor/actuator cable, 4-position, PVC, gray RAL 7001, Plug straight M12, A-coded, on Socket straight M12, A-coded, cable length: 3 m, with high-grade steel knurl

Key Commercial Data

Orderkey 1420981

Packing unit 1

GTIN 4055626250113

Custom tariff number 85444290

Dimensions

Length of cable 3 m

Ambient conditions

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

Degree of protection IP65

IP67

IP68

IP69K

General

Rated current at 40°C 4 A

Rated voltage 250 V AC

250 V DC

Number of positions 4

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

Contact material CuSn

Contact surface material Ni/Au

Contact carrier material PP

Material of grip body PP

Material, knurls Stainless steel 1.4404

Standards and Regulations

Standard designation M12 connector

Standards/regulations IEC 61076-2-101

Cable

Cable type PVC gray

Cable type (abbreviation) PVC

Cable abbreviation LiYY

UL AWM style 2464 / 1729 (80°C/300 V)

Conductor cross section $4 \times 0.34 \text{ mm}^2$ (Signal line)

AWG signal line 22

Conductor structure signal line $19 \times 0.15 \text{ mm}$

Core diameter including insulation $1.26 \text{ mm} \pm 0.05 \text{ mm}$

Thickness, insulation $\geq 0.23 \text{ mm}$ (Core insulation)

Wire colors brown, white, blue, black

Overall twist 4 wires, twisted

External sheath, color gray RAL 7001

Outer sheath thickness $\geq 0.76 \text{ mm}$

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-4P-M12MS/3,0-500/M12FS FB 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.