

INDUSTRIAL COMPONENT DATA

SAC-5P- 5,0-186/M12FS 1085902 PHOENIX CONTACT

Sensor/actuator cable, 5-position, PUR, black-gray RAL 7021, f..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-5,0-186/M12FS



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-5,0-186/M12FS
Catalog number	1085902
Category	Sensor-actuator patch cord
Minimum order	250 Pcs
Document ID	EO-8F096A1962
Generated	2026-08-05

Product Overview

Sensor/actuator cable, 5-position, PUR, black-gray RAL 7021, free cable end, on Socket straight M12, A-coded, cable length: 5 m

Sensor/actuator cable, 5-pole, PUR, grayish-black RAL 7021, free cable end, to Straight connection female M12, coding: A, cable length: 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

Number of positions 5

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

Electrical propertiesInsulation resistance >= 100 M?

Nominal voltage UN 48 V AC
60 V DC
Nominal current IN 4 A
Mechanical propertiesMechanical data
Insertion/withdrawal cycles ≥ 100
SignalingStatus display no
Status display present No
ConnectorConnection 1
Type free cable end
Connection 2
Type Socket straight M12
Number of positions 5
Coding type A
Cable/lineCable length 5 m
PUR POWER 0.75 mm² black [186]
Dimensional drawing
Cable weight 67 kg/km
Number of positions 5
Shielded no
Cable type PUR POWER 0.75 mm² black [186]
Conductor structure signal line 42x 0.15 mm
AWG signal line 18
Conductor cross section 5x 0.75 mm² (power line)
Wire diameter incl. insulation 1.7 mm ± 0.05 mm
External cable diameter 6.30 mm ± 0.2 mm
Outer sheath, material PUR
External sheath, color black-gray RAL 7021
Conductor material Bare Cu litz wires
Material wire insulation PVC
Single wire, color brown, white, blue, black, gray
Thickness, insulation ≥ 0.23 mm (Core insulation)
 ≥ 0.76 mm (Outer cable sheath)
Overall twist 5 wires around filler to the core
Max. conductor resistance max. 26 Ω /km (at 20 °C)
Insulation resistance ≥ 1 M Ω *km (at 20 °C)
Nominal voltage, cable ≤ 300 V
Test voltage ≥ 3000 V
Smallest bending radius, movable install...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-5,0-186/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.