INDUSTRIAL COMPONENT DATA

SAC-3P-M12MS/ 0,3-800/M12FR-2L 1456857 PHOENIX CONTACT Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MS/ 0,3-800/M12FR-2L



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-M12MS/ 0,3-800/M12FR-2L
Catalog number	1456857
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-0951C46128
Generated	2026-11-19

Product Overview

Sensor/actuator cable
Sensor/actuator cable, 3-pole, halogen-free PUR, solder-resistant, highly flexible, grey RAL 7001, Straight male connector M12, coding: A, to Angled connection female M12, coding: A, with 2 LEDs, cable length: 0.3 m, for robotics and drag chains
Sensor/actuator cable, 3-pole, PUR halogen-free, weld-spark-resistant, highly flexible, grey RAL 7001, plug straight M12, coding: A, with 2 LEDs, angled to socket M12, coding: A, with 2 LEDs, cable length: 0.3 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

Key Commercial Data
Orderkey 1456857
Packing unit 1 pc
Note Made to Order (non-returnable)
Catalog page Page 198 (C-2-2017)
GTIN 4046356593212
Weight per Piece (excluding packing) 28.100 g
Custom tariff number 85444290
Country of origin PL (Poland)
Dimensions
Length of cable 0.3 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 24 V
24 V DC
Number of positions 3
Insulation resistance >= 100 M?
Coding A - standard
Standards/regulations M12 connector IEC 61076-2-101
Status display 2 LEDs
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 Gray, highly flexible PUR
Cable type (abbreviation) 800
Cable abbreviation Li12Y11Y-HF
UL AWM style 20233
Conductor cross section 3x 0.34 mm² (Signal line)
AWG signal line 22
Conductor structure signal line 42x 0....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MS/ 0,3-800/M12FR-2L 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.