INDUSTRIAL COMPONENT DATA

SAC-5P-MS/3,0-500/M12FR-3L FB 1421021 PHOENIX CONTACT Sensor/actuator cable SAC-5P-MS/3,0-500/M12FR-3L FB 14..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-MS/3,0-500/M12FR-3L FB



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-MS/3,0-500/M12FR-3L FB
Catalog number	1421021
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-873A8851E3
Generated	2026-11-19

Product Overview

Sensor/actuator cable - SAC-5P-MS/3,0-500/M12FR-3L FB - 1421021
Sensor/actuator cable, 5-pole, M12 straight connector, coding: A, with 3 LEDs, to M12 angled female, coding: A, with 3 LEDs, cable length: 3 m, with stainless steel knurling
Sensor/actuator cable, 5-position, PVC, gray RAL 7001, Plug straight M12, coding: A, with 3 LEDs, on Socket angled M12, coding: A, with 3 LEDs, cable length: 3 m, with high-grade steel knurl

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 Food processing industry
Number of positions 5
No. of cable outlets 1
Shielded no
Coding A
Insulation characteristics
Overvoltage category II
Degree of pollution 3

Material specificationsMaterial of grip body PP
Contact material CuSn
Contact surface material Ni/Au
Contact carrier material PP
Material for screw connection Stainless steel
Electrical propertiesInsulation resistance >= 100 M?
Nominal voltage UN 24 V DC
Nominal current IN 4 A
Mechanical propertiesMechanical data
Insertion/withdrawal cycles >= 100
SignalingStatus display 3 LEDs
Status display present Yes
ConnectorConnection 1
Type Plug straight M12
Number of positions 5
Coding type A
Connection 2
Type Socket angled M12
Number of positions 5
Coding type A
Cable/lineCable length 3 m
PVC gray [500]
Dimensional drawing
Cable weight 51 kg/km
UL AWM Style 2464 / 1729 (80°C/300 V)
Number of positions 5
Shielded no
Cable type PVC gray [500]
Conductor structure signal line 19x 0.15 mm
AWG signal line 22
Conductor cross section 5x 0.34 mm² (Signal line)
Wire diameter incl. insulation 1.26 mm ±0.05 mm
External cable diameter 5.00 mm ±0.15 mm
Outer sheath, material PVC
External sheath, color gray RAL 7001
Conductor material Bare Cu litz wires
Material wire insulation PVC
Single wire, color brown, white, blue, black, green-yellow
Thickness, insulation >= 0.23 mm (Core insulation)
Thickness, outer sheath >= 0.76 mm
Overall twist 5 wires around filler to....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-MS/3,0-500/M12FR-3L 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

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