INDUSTRIAL COMPONENT DATA

SAC-3P-M12MS/1,5-PUR SH BK 1426205 PHOENIX CONTACT Cable for sensors/actuators SAC-3P-M12MS/1,5-PUR SH BK 14..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MS/1,5-PUR SH BK

Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-M12MS/1,5-PUR SH BK
Catalog number	1426205
Category	Sensor-actuator patch cord
Minimum order	100 Pcs
Document ID	EO-398445A9C1
Generated	2026-11-19

Product Overview

Cable for sensors/actuators - SAC-3P-M12MS/1,5-PUR SH BK - 1426205
Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, shielded, Plug straight M12, coding: A, on free cable end, cable length: 1.5 m, Customer version

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 3
Electrical propertiesNominal voltage UN 48 V AC
60 V DC
ConnectorConnection 1
Type Plug straight M12
Number of positions 3
Coding type A
Connection 2
Type free cable end
Cable/lineCable length 1.5 m

PUR halogen-free black [PUR]
Cable weight 31 kg/km
UL AWM Style 20549
Number of positions 3
Shielded yes
Cable type PUR halogen-free black [PUR]
Conductor structure signal line 42x 0.10 mm
AWG signal line 22
Conductor cross section 3x 0.34 mm² (Signal line)
Wire diameter incl. insulation 1.27 mm ±0.02 mm (Signal line)
External cable diameter 4.65 mm ±0.15 mm
Outer sheath, material PUR
External sheath, color black-gray RAL 7021
Conductor material Bare Cu litz wires
Material wire insulation PP
Single wire, color brown, blue, black
Thickness, insulation >= 0.21 mm (Core insulation)
approx. 0.50 mm (Outer cable sheath)
Overall twist 3 wires, twisted
Optical shield covering 80 %
Max. conductor resistance max. 58 ?/km (at 20 °C)
Insulation resistance >= 100 G?*km (at 20 °C)
Nominal voltage, cable <= 300 V
Test voltage >= 3000 V
Smallest bending radius, fixed installation 23 mm
Smallest bending radius, movable installation 47 mm
Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 47 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s²
Halogen-free in accordance with DIN VDE 0472 part 815
Flame resistance in accordance with UL 758/1581 FT2
DIN EN 60332-2-2 (...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MS/1,5-PUR SH BK 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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