INDUSTRIAL COMPONENT DATA

SAC-5P-M12MS/1,0-PUR/M12FS 5SH 1403819 PHOENIX CONTACT Sensor/actuator cable SAC-5P-M12MS/1,0-PUR/M12FS 5SH ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-M12MS/1,0-PUR/M12FS 5SH

PRODUCT IMAGE\nNOT AVAILABLE

Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-M12MS/1,0-PUR/M12FS 5SH
Catalog number	1403819
Category	Sensor-actuator patch cord
Minimum order	50 Pcs
Document ID	EO-AC4BFB96E8
Generated	2026-11-19

Product Overview

Sensor/actuator cable - SAC-5P-M12MS/1,0-PUR/M12FS 5SH - 1403819
Sensor/actuator cable, halogen-free PUR, greyish black RAL 7021, shielded
Sensor/actuator cable, PUR halogen-free, black-gray RAL 7021, shielded

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
Electrical propertiesNominal voltage UN 48 V AC
60 V DC
Cable/linePUR halogen-free black [PUR]
Dimensional drawing
Cable weight 36 kg/km
UL AWM Style 20549 / 10493 (80°C/300 V)
Number of positions 4
Shielded yes
Cable type PUR halogen-free black [PUR]
Conductor structure signal line 42x 0.10 mm

AWG signal line 22
Conductor cross section 4x 0.34 mm² (Signal line)
Wire diameter incl. insulation 1.27 mm ±0.02 mm (Signal line)
External cable diameter 4.95 mm ±0.2 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, white, blue, black
Thickness, insulation >= 0.21 mm
Thickness, outer sheath approx. 0.50 mm
Overall twist 4 wires, twisted
Optical shield covering 80 %
Max. conductor resistance max. 58 ?/km (at 20 °C)
Insulation resistance >= 100 G?*km (at 20 °C)
Wave impedance >= 62 ? (f = 10 MHz)
Cable capacity <= 80 pF/m (Conductor-Conductor)
<= 135 pF/m (Wire/shield)
Nominal voltage, cable <= 300 V
Test voltage >= 3000 V
Minimum bending radius, fixed installation 5 x D
Minimum bending radius, flexible installation 10 x D
Smallest bending radius, fixed installation 25 mm
Smallest bending radius, movable installation 50 mm
Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s²
Halogen-free in accordance with DIN V...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-M12MS/1,0-PUR/M12FS 5SH 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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