INDUSTRIAL COMPONENT DATA

SAC-2P- 6,0-PUR/DTFS 1424166 PHOENIX CONTACT Sensor/actuator cable SAC-2P- 6,0-PUR/DTFS 1424166

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-2P- 6,0-PUR/DTFS



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-2P- 6,0-PUR/DTFS
Catalog number	1424166
Category	Sensor-actuator patch cord
Minimum order	100 Pcs
Document ID	EO-AFEC6BB001
Generated	2026-11-19

Product Overview

Sensor/actuator cable - SAC-2P- 6,0-PUR/DTFS - 1424166
Sensor/actuator cable, 2-position, PUR halogen-free, black-gray RAL 7021, cable length: 6 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 2
Material specificationsMaterial of grip body TPU
Electrical propertiesNominal voltage UN 48 V AC
48 V DC
Cable/lineCable length 6 m
PUR halogen-free black [PUR]
Dimensional drawing
Cable weight 33 kg/km
UL AWM Style 20549 / 10493 (80°C/300 V)
Number of positions 2
Shielded no
Cable type PUR halogen-free black [PUR]
Conductor structure signal line 42x 0.15 mm

AWG signal line 18
Conductor cross section 2x 0.75 mm² (Signal line)
Wire diameter incl. insulation 1.69 mm ±0.05 mm (Signal line)
External cable diameter 4.80 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
Thickness, insulation >= 0.21 mm
Thickness, outer sheath >= 0.38 mm
Overall twist 2 wires, twisted
Max. conductor resistance <= 26 ?/km (at 20 °C)
Insulation resistance >= 1 G?*km (at 20 °C)
Nominal voltage, cable <= 300 V AC
Test voltage >= 3000 V AC (Spark test)
Minimum bending radius, fixed installation 5 x D
Minimum bending radius, flexible installation 10 x D
Smallest bending radius, fixed installation 24 mm
Smallest bending radius, movable installation 48 mm
Dynamic load capacity (bending) Max. bending cycles: 4000000, Bending radius: 48 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s²
Halogen-free in accordance with DIN VDE 0472 part 815
in accordance with DIN EN 50267-2-1
Fla...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-2P- 6,0-PUR/DTFS 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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