INDUSTRIAL COMPONENT DATA

SAC-3P-100,0-180/0,25 1501809 PHOENIX CONTACT Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-100,0-180/0,25



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-100,0-180/0,25
Catalog number	1501809
Category	Data cable
Minimum order	1 Pcs
Document ID	EO-7F170AE282
Generated	2026-11-19

Product Overview

Sensor/actuator cable
By meters, Cable ring, Halogen-free PUR, orange RAL 2003, 3-conductors, color individual conductors: brown, blue, black, cable length: 100 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

Key Commercial Data
Orderkey 1501809
Packing unit 1 pc
Note Made to Order (non-returnable)
GTIN 4017918813932
Weight per Piece (excluding packing) 2,316.000 g
Custom tariff number 85444995
Country of origin DE (Germany)
Dimensions
Length of cable 100 m
General
Number of positions 3
Cable

Cable type PUR halogen-free orange
Cable type (abbreviation) 180
Cable abbreviation Li31Y-11Y
Conductor cross section 0.25 mm²
AWG signal line 24
Conductor structure signal line 32x 0.10 mm
Core diameter including insulation 1.35 mm ±0.05 mm
Thickness, insulation 0.35 mm (Core insulation)
1.15 mm (Outer cable sheath)
Wire colors brown, blue, black
Overall twist 3 wires, twisted
External sheath, color orange RAL 2003
External cable diameter 5.20 mm
Smallest bending radius, fixed installation 52 mm
Smallest bending radius, movable installation 78 mm
Number of bending cycles 4000000
Bending radius 78 mm
Traversing path 10 m
Traversing rate 3 m/s
Acceleration 10 m/s²
Number of bending cycles 4000000
Bending radius 78 mm
Traversing path 10 m
Traversing rate 3 m/s
Acceleration 10 m/s²
Cable weight 30 kg/km
Outer sheath, material PUR
Material conductor insulation TPE
Conductor material Bare Cu litz wires
Conductor resistance <= 77.8 ?/km
Test voltage, cable 2500 V
Ambient temperature (operation) -25 °C ... 105 °C (cable, fixed installation)
-5 °C ... 105 °C (cable, flexible installation)
Classifications
eCl@ss 4.027060306eCl@ss 4.127060306eCl@ss 5.027061801eCl@ss 5.119030300eCl@ss 6.027061800eCl@ss....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-100,0-180/0,25 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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