

INDUSTRIAL COMPONENT DATA

SAC-4P-80,0-PUR/M 8FS SH 1091191 PHOENIX CONTACT

Sensor/actuator cable, 4-position, PUR halogen-free, black-..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-4P-80,0-PUR/M 8FS SH



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-4P-80,0-PUR/M 8FS SH
Catalog number	1091191
Category	Sensor-actuator patch cord
Minimum order	15 Pcs
Document ID	EO-F1A0C545FB
Generated	2026-08-05

Product Overview

Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, shielded, free cable end, on Socket straight M8, cable length: 80 m

Sensor/actuator cable, 4-pole, halogen-free PUR, greyish black RAL 7021, shielded, free cable end, to Straight connection female M8, cable length: 80 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 4

Shielded yes

ConnectorConnection 1

Type free cable end

Connection 2

Type Socket straight M8

Number of positions 4

Cable/lineCable length 80 m

PUR halogen-free black [PUR]

Dimensional drawing

Cable weight 31 kg/km

UL AWM Style 20549
Number of positions 4
Shielded yes
Cable type PUR halogen-free black [PUR]
Conductor structure signal line 32x 0.10 mm
AWG signal line 24
Conductor cross section 4x 0.25 mm² (Signal line)
Wire diameter incl. insulation 1.17 mm ±0.02 mm (Signal line)
External cable diameter 4.70 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, white, blue, black
Thickness, insulation ≥ 0.21 mm (Core insulation)
approx. 0.50 mm (Outer cable sheath)
Overall twist 4 wires, twisted
Optical shield covering 80 %
Max. conductor resistance max. 78 Ω/km (at 20 °C)
Insulation resistance ≥ 100 GΩ*km (at 20 °C)
Nominal voltage, cable ≤ 300 V
Test voltage ≥ 3000 V
Smallest bending radius, fixed installation 24 mm
Smallest bending radius, movable installation 48 mm
Dynamic load capacity (bending) Max. bending cycles: 10000000, 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
Flame resistance in accordance with UL 758/1581 FT2
DIN EN 60332-2-2 (20 s)
Resistance to oil in acc...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-4P-80,0-PUR/M 8FS SH 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.