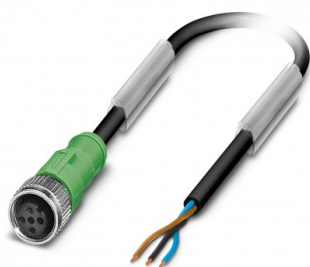


INDUSTRIAL COMPONENT DATA

SAC-3P-20,0-PUR/M12FS 1693982 PHOENIX CONTACT

Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-20,0-PUR/M12FS



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-20,0-PUR/M12FS
Catalog number	1693982
Category	Sensor-actuator patch cord
Minimum order	5 Pcs
Document ID	EO-FA5C5AEFB1
Generated	2026-08-05

Product Overview

Sensor/actuator cable

Sensor/actuator cable, 3-pole halogen-free, free cable end, to Straight female M12, coding: A, cable length: 20 m

Sensor/actuator cable, 3-pole, PUR halogen-free, black-grey RAL 7021, free end of cable, on socket straight M12, coding: A, cable length: 20 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 1693982

Packing unit 1

GTIN 4017918453022

Custom tariff number 85444290

Dimensions

Length of cable 20 m

Stripping length of the free conductor end 50 mm

Ambient conditions

Ambient temperature (operation) -25 °C ... 90 °C (Plug / socket)

Degree of protection IP65

IP67

IP68

General

Rated current at 40°C 4 A

Rated voltage 250 V AC

250 V DC

Number of positions 3

Coding A - standard

Status display No

Overvoltage category II

Degree of pollution 3

Insertion/withdrawal cycles ≥ 100

Torque 0.4 Nm

Material

Contact material CuSn

Contact surface material Ni/Au

Cable

Cable type PUR halogen-free black

Cable type (abbreviation) PUR

Cable abbreviation Li9Y11Y

UL AWM style 20549

Conductor cross section $3 \times 0.34 \text{ mm}^2$ (Signal line)

AWG signal line 22

Conductor structure signal line $42 \times 0.10 \text{ mm}$ Core diameter including insulation $1.27 \text{ mm} \pm 0.02 \text{ mm}$ (Signal line)Thickness, insulation $\geq 0.21 \text{ mm}$ (Core insulation)approx. 0.5 mm (Outer cable sheath)

Wire colors brown, blue, black

Overall twist 3 wires, twisted

External sheath, color black-gray RAL 7021

External cable diameter $D 3.85 \text{ mm} \pm 0.15 \text{ mm}$

Smallest bending radius, fixed installation 19 mm

Smallest bending radius, movable installation 38 mm

Number of bending cycles 10000000

Bending radius 44 mm

Traversing path 10 m

Traversing rate 3 m/s

Acceleration 10 m/s^2

Cable weight 23 kg/km

Outer sheath, material PUR

Material conductor insulation PP

Conductor material Bare Cu litz wires

Insulation resistance $\geq 100 \text{ G}\cdot\text{km}$ (at 20°C)....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-20,0-PUR/M12FS 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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