INDUSTRIAL COMPONENT DATA

SAC-3P-M12MR/ 7,0-PVC/M12FR 1447581 PHOENIX CONTACT Sensor/actuator cable, 3-pos., PVC, RAL 7021 (black-gray..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MR/ 7,0-PVC/M12FR

PRODUCT IMAGE\nNOT AVAILABLE

Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-M12MR/ 7,0-PVC/M12FR
Catalog number	1447581
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-3FD735F6D5
Generated	2026-11-19

Product Overview

Sensor/actuator cable, 3-pos., PVC, RAL 7021 (black-gray), angled M12 male plug, A-coded, to angled M12 female plug, A-coded, cable length: 7.0 m
Sensor/actuator cable, 3-pole, PVC, greyish-black RAL 7021, angled male connector M12, coded A, in angled female connection M12, coded A, cable length: 7.0 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 1447581
Packing unit 1
GTIN 4046356692502
Custom tariff number 85444290
Drawings
General
Environmental Product Compliance
Ambient conditions
Cable
Classifications
Drawings

Cable cross section
PVC black [PVC]
Back to topAmbient conditions
Degree of protection IP65
IP67
Back to topGeneral
Rated current at 40°C 4 A
Rated voltage 250 V AC
250 V DC
Overvoltage category II
Degree of pollution 3
Torque 0.4 Nm
Back to topCable
Cable type PVC black
Cable type (abbreviation) PVC
Cable abbreviation LiYY
UL AWM style 2464 / 1729 (80°C/300 V)
Conductor cross section 3x 0.34 mm² (Signal line)
AWG signal line 22
Conductor structure signal line 19x 0.15 mm
Core diameter including insulation 1.26 mm ±0.05 mm
Thickness, insulation >= 0.23 mm (Core insulation)
Wire colors brown, blue, black
Overall twist 3 wires, twisted
External sheath, color black RAL 9005
Outer sheath thickness >= 0.76 mm
External cable diameter D 4.3 mm ±0.2 mm
Minimum bending radius, fixed installation 5 x D
Minimum bending radius, flexible installation 10 x D
Cable weight 40 kg/km
Outer sheath, material PVC
Material conductor insulation PVC
Conductor material Bare Cu litz wires
Insulation resistance >= 100 M?*km (at 20 °C)
Conductor resistance max. 57 ?/km (at 20 °C)
Nominal voltage, cable <= 300 V
Test voltage, cable >= 2500 V
Flame resistance As per UL-Style 2464
Ambient temperature (operation) -40 °C ... 80 °C (cable, fixed installation)
-25 °C ... 80 °C (cable, flexible installation)
Back to t...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MR/ 7,0-PVC/M12FR 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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