INDUSTRIAL COMPONENT DATA

SAC-12P-20,0-PUR/M16FR 1105255 PHOENIX CONTACT Master cable, application: Sensor/actuator box, number of slo..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-12P-20,0-PUR/M16FR



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-12P-20,0-PUR/M16FR
Catalog number	1105255
Category	Sensor-actuator patch cord
Minimum order	20 Pcs
Document ID	EO-AD38D00512
Generated	2026-11-19

Product Overview

Master cable, application: Sensor/actuator box, number of slots: 8, number of positions: 12, slot assignment: single, status display: No; master cable connection: M16 plug connection, PUR/PVC, cable length: 20 m, shielding: no
Main cable, 12-pole, PUR/PVC, black RAL 9005
Master cable, application: Sensor/actuator box, number of slots: 8, number of positions: 12, status display: No, Alternative product in accordance with RoHS II without Exemption 6c (Pb

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 > Field Device Connectors (FDC)

Additional Product Information

Technical dataProduct propertiesProduct type Master cable, assembled
Application Sensor/actuator box
Number of positions 12
Number of slots 8
Electrical propertiesNominal voltage UN 48 V AC
60 V DC
SignalingStatus display present No
Material specificationsSeal material NBR
Cable/linePUR/PVC black [PUR]

Dimensional drawing
Cable weight 92 kg/km
UL AWM Style 20549
Number of positions 10
Shielded no
Cable type PUR/PVC black [PUR]
Conductor structure signal line 19x 0.15 mm
AWG signal line 22
Conductor cross section 8x 0.34 mm² (Signal line)
2x 0.75 mm² (power line)
Wire diameter incl. insulation 1.3 mm ±0.1 mm (Signal line)
1.8 mm ±0.1 mm (power line)
External cable diameter 7.90 mm ±0.2 mm
Outer sheath, material PUR
External sheath, color black RAL 9005
Conductor material Bare Cu litz wires
Material wire insulation PVC
Single wire, color brown, blue, white, green, yellow, gray, pink, red, black, violet
Inner sheath thickness >= 0.15 mm
Thickness, outer sheath >= 0.38 mm
Overall twist Wires twisted in layers
Nominal voltage, cable 300 V
Test voltage 2000 V
Minimum bending radius, fixed installation 7.5 x D
Minimum bending radius, flexible installation 10 x D
Smallest bending radius, fixed installation 60 mm
Smallest bending radius, movable installation 79 mm
Dynamic load capacity (bending) Max. bending cycles: 1500000, Bending radius: 79 mm, Traversing path: 2 m, Traversing rate: 2 m/s
Flame resistance DIN EN 50265
Resistance to oil according to VDE 0472 Part 803
Other resistance...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-12P-20,0-PUR/M16FR 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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