

INDUSTRIAL COMPONENT DATA

SAC-3P-M12MRS/ 2,0-PVC PE 1411641 PHOENIX CONTACT

Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MRS/ 2,0-PVC PE



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-M12MRS/ 2,0-PVC PE
Catalog number	1411641
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
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Product Overview

Power cable

Power cable, 3-pole, M12 angled connector, coding: S, to free cable end, cable length: 2 m, for alternating current up to 16 A/250 V

Power cable, 3-position, PVC, black, Plug angled M12, coding: S, on free cable end, cable length: 2 m, For alternating current up to 16 A/690 V

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)
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Additional Product Information

Technical dataProduct propertiesProduct type Power cable

Application Power supply

Number of positions 3

No. of cable outlets 1

Shielded no

Coding S

Insulation characteristics

Overvoltage category III

Degree of pollution 3

Material specificationsFlammability rating according to UL 94 V0

Material of grip body PP

Contact material CuZn
Contact surface material Ni/Au
Contact carrier material PA
Material for screw connection Zinc die-cast, nickel-plated
Electrical propertiesInsulation resistance $\geq 100 \text{ M}\Omega$
Nominal voltage UN 690 V AC
Nominal current IN 16 A
Mechanical propertiesMechanical data
Insertion/withdrawal cycles > 100
ConnectorConnection 1
Type Plug angled M12
Coding type S (Power)
Connection 2
Type free cable end
Cable/lineCable length 2 m
PVC black [PVC]
Dimensional drawing
Cable weight 80 kg/km
UL AWM Style 2517 (105 °C / 300 V)
Number of positions 3
Shielded no
Cable type PVC black [PVC]
Conductor cross section $3 \times 1.5 \text{ mm}^2$
Wire diameter incl. insulation $2.4 \text{ mm} \pm 0.1 \text{ mm}$
External cable diameter $6.80 \text{ mm} \pm 0.2 \text{ mm}$
Outer sheath, material PVC
External sheath, color black
Conductor material Bare Cu litz wires
Material wire insulation PVC
Single wire, color black 1, black 2, green/yellow
Overall twist 3 wires, twisted
Max. conductor resistance $\leq 13.3 \text{ } \Omega/\text{km}$ (at 20 °C)
Insulation resistance $\geq 10 \text{ M}\Omega \cdot \text{km}$ (at 20 °C)
Nominal voltage, cable 300 V AC
Test voltage 2000 V AC
Minimum bending radius, fixed installation $5 \times D$
Minimum bending radius, flexible installation $12 \times D$
Smallest bending r...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MRS/ 2,0-PVC PE 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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