

INDUSTRIAL COMPONENT DATA

SAC-6P-M12MSM/ 1,5-PVC PE SH 1414952 PHOENIX CONTACT Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-6P-M12MSM/ 1,5-PVC PE SH



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-6P-M12MSM/ 1,5-PVC PE SH
Catalog number	1414952
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
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Product Overview

Power cable

Power cable, 6-pole, shielded (Advanced Shielding Technology), M12 straight connector, coding: M, to free cable end, cable length: 1.5 m, for AC up to 8 A/690 V

Power cable, 6-position, PVC, orange RAL 2003, shielded (Advanced Shielding Technology), Plug straight M12, coding: M, on free cable end, cable length: 1.5 m, for AC current up to 8 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)

Additional Product Information

Technical dataProduct propertiesProduct type Power cable

Application Power supply

Number of positions 6

No. of cable outlets 1

Shielded yes

Coding M

Data management status

Article revision 05

Insulation characteristics

Overvoltage category III

Degree of pollution 3

Material specifications Flammability 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 properties Insulation resistance $\geq 100 \text{ M}\Omega$
Nominal voltage UN 690 V AC
Nominal current IN 8 A
Connector Connection 1
Type Plug straight M12
Coding type M (Power)
Connection 2
Type free cable end
Cable/line Cable length 1.5 m
PVC orange [PVC]
Dimensional drawing
Cable weight 192 kg/km
UL AWM Style 2570 / 10914 (80°C/1000 V)
Number of positions 6
Shielded yes
Cable type PVC orange [PVC]
Conductor cross section $6 \times 1.5 \text{ mm}^2$
Wire diameter incl. insulation $2.4 \text{ mm} \pm 0.05 \text{ mm}$
External cable diameter $10.40 \text{ mm} \pm 0.25 \text{ mm}$
Outer sheath, material PVC
External sheath, color orange RAL 2003
Conductor material Bare Cu litz wires
Material wire insulation PVC
Single wire, color black 1, black 2, black 3, black 4, black 5, green/yellow
Thickness, insulation $\geq 0.36 \text{ mm}$
Thickness, outer sheath approx. 0.76 mm
Max. conductor resistance $\leq 15 \text{ } \Omega/\text{m}$ (at 20 °C)
Insulation resistance $\geq 100 \text{ M}\Omega \cdot \text{km}$ (at 20 °C)
Nominal voltage, cable $\leq 1000 \text{ V AC}$
Test voltage $\geq 10000 \text{ V AC}$ (Spark test)
Minimum bending radius, fixed install...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-6P-M12MSM/ 1,5-PVC PE 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

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