

INDUSTRIAL COMPONENT DATA

SAC-6P-M12MSM/ 1,5-PVC PE 1414951 PHOENIX CONTACT

Power cable

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-6P-M12MSM/ 1,5-PVC PE
Catalog number	1414951
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-E8815DA7FE
Generated	2026-08-02

Product Overview

Power cable

Power cable, 6-pole, Straight M12 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, black-gray RAL 7021, 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 no

Coding M

Data management status

Article revision 05

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 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 black [PVC]
Dimensional drawing
Cable weight 220 kg/km
UL AWM Style 2570 / 10914 (80°C/1000 V)
Number of positions 6
Shielded no
Cable type PVC black [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 $9.75 \text{ mm} \pm 0.25 \text{ mm}$
Outer sheath, material PVC
External sheath, color black-gray RAL 7021
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 $\leq 15 \text{ m}\Omega/\text{m}$ (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 installa...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.