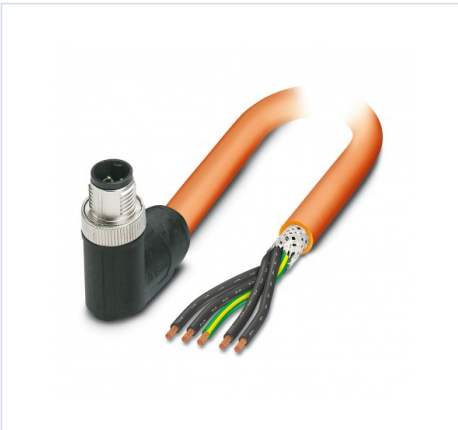


INDUSTRIAL COMPONENT DATA

SAC-5P-M12MRK/ 3,0-PUR PE SH 1414838 PHOENIX CONTACT Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-M12MRK/ 3,0-PUR PE SH



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-M12MRK/ 3,0-PUR PE SH
Catalog number	1414838
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-C218EDEB64
Generated	2026-08-05

Product Overview

Power cable

Power cable, 5-pole halogen-free, shielded (Advanced Shielding Technology), M12 angled connector, coding: K, to free cable end, cable length: 3 m, for alternating current up to 16 A/690 V

Power cable, 5-position, PUR halogen-free, orange RAL 2003, shielded (Advanced Shielding Technology), Plug angled M12, coding: K, on free cable end, cable length: 3 m, for AC 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 5

No. of cable outlets 1

Shielded yes

Coding K

Data management status

Article revision 07

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 16 A

Mechanical properties Mechanical data

Insertion/withdrawal cycles ≥ 100

Connector Connection 1

Type Plug angled M12

Coding type K (Power)

Connection 2

Type free cable end

Cable/line Cable length 3 m

PUR halogen-free orange [PUR]

Dimensional drawing

Cable weight 195 kg/km

UL AWM Style 90 °C / 1000 V

Number of positions 5

Shielded yes

Cable type PUR halogen-free orange [PUR]

Conductor cross section $5 \times 2.5 \text{ mm}^2$

Wire diameter incl. insulation $2.8 \text{ mm} \pm 0.1 \text{ mm}$

External cable diameter $9.90 \text{ mm} \pm 0.3 \text{ mm}$

Outer sheath, material PUR

External sheath, color orange RAL 2003

Conductor material Bare Cu litz wires

Material wire insulation PP

Single wire, color black 1, black 2, black 3, black 4, green/yellow

Thickness, insulation $\geq 0.26 \text{ mm}$

Thickness, outer sheath approx. 0.75 mm

Overall twist 5 cores, twisted

Max. conductor resistance $\leq 8 \text{ m}\Omega/\text{km}$ (at 20 °C)

Insulation resistance $\geq 1 \text{ G}\Omega\cdot\text{km}$ (at 20 °C)

Nominal volta...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-M12MRK/ 3,0-PUR 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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