

INDUSTRIAL COMPONENT DATA

SAC-5P-M12MRL/10,0-290 FE 1424600 PHOENIX CONTACT

Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-M12MRL/10,0-290 FE



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-M12MRL/10,0-290 FE
Catalog number	1424600
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-98E41C039D
Generated	2026-08-02

Product Overview

Power cable

Power cable, 5-pole halogen-free, M12 angled connector, coding: L, to free cable end, cable length: 10 m, for direct current up to 12 A/63 V

Power cable, 5-position, PUR halogen-free, gray RAL 7001, Plug angled M12, coding: L, on free cable end, cable length: 10 m, For direct current up to 12 A/63 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 5

No. of cable outlets 1

Shielded no

Coding L

Data management status

Article revision 06

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 63 V DC

Nominal current IN 12 A

Mechanical properties Mechanical data

Insertion/withdrawal cycles ≥ 100

Connector Connection 1

Type Plug angled M12

Coding type L (Power)

Connection 2

Type free cable end

Cable/line Cable length 10 m

PUR halogen-free gray [290]

Dimensional drawing

Cable weight 127 kg/km

UL AWM Style 20233 / 10493 (80°C/300 V)

Number of positions 5

Shielded no

Cable type PUR halogen-free gray [290]

Conductor cross section $5 \times 1.5 \text{ mm}^2$

Wire diameter incl. insulation $2.35 \text{ mm} \pm 0.05 \text{ mm}$

External cable diameter $9.10 \text{ mm} \pm 0.25 \text{ mm}$

Outer sheath, material PUR

External sheath, color gray RAL 7001

Conductor material Bare Cu litz wires

Material wire insulation PP

Single wire, color brown, white, blue, black, pink

Thickness, insulation $\geq 0.25 \text{ mm}$

Thickness, outer sheath approx. 1.30 mm

Max. conductor resistance $\leq 13 \text{ m}\Omega/\text{km}$ (at 20 °C)

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

Nominal voltage, cable $\leq 300 \text{ V AC}$

Test voltage $\geq 3000 \text{ V}$

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-M12MRL/10,0-290 FE 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.