

INDUSTRIAL COMPONENT DATA

SAC-5P-M12MRL/ 3,0-510 FE 1424614 PHOENIX CONTACT

Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-M12MRL/ 3,0-510 FE



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-M12MRL/ 3,0-510 FE
Catalog number	1424614
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-E73B67AC51
Generated	2026-08-04

Product Overview

Power cable

Power cable, 5-pole, M12 angled connector, coding: L, to free cable end, cable length: 3 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

Key Commercial Data

Orderkey 1424614

Packing unit 1 pc

Note Made to Order (non-returnable)

Catalog page Page 299 (C-2-2017)

GTIN 4055626375397

Weight per Piece (excluding packing) 471.080 g

Custom tariff number 85444290

Country of origin PL (Poland)

Dimensions

Length of cable 3 m

Ambient conditions

Ambient temperature (operation) -25 °C ... 85 °C (Plug / socket)

Degree of protection IP65

IP67

IP68

General

Rated current at 40°C 12 A

Rated voltage 63 V DC

Number of positions 5

Color handle area black

Insulation resistance $\geq 100 \text{ M}\Omega$

Coding L - Power

Standards/regulations M12 connector IEC 61076-2-111

Status display No

Protective circuit/component unwired

Overvoltage category III

Degree of pollution 3

Insertion/withdrawal cycles ≥ 100

Torque 0.4 Nm (M12 connector)

Material

Flammability rating according to UL 94 V0

Contact material CuSn

Contact surface material Ni/Au

Contact carrier material PA

Material of grip body PA

Material, knurls Zinc die-cast, nickel-plated

Standards and Regulations

Standard designation M12 connector

Standards/regulations IEC 61076-2-111

Flammability rating according to UL 94 V0

Cable

Cable type PVC gray

Cable type (abbreviation) 510

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

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

AWG power supply 16

Conductor structure, voltage supply $78 \times 0.15 \text{ mm}$

Core diameter including insulation $2.35 \text{ mm} \pm 0.05 \text{ mm}$

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

Wire colors Brown, white, blue, black, gray

External sheath, color gray RAL 7001

Outer sheath thicknes...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-M12MRL/ 3,0-510 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.