

INDUSTRIAL COMPONENT DATA

SAC-5P- 3,0-280/M12FRL FE SH 1414787 PHOENIX CONTACT

Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-3,0-280/M12FRL FE SH



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-3,0-280/M12FRL FE SH
Catalog number	1414787
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-5AA34D7452
Generated	2026-08-02

Product Overview

Power cable

Power cable, 5-pole halogen-free, shielded (Advanced Shielding Technology), free cable end, to Female angled M12, coding: L, cable length: 3 m, for direct current up to 16 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 1414787

Packing unit 1 pc

Note Made to Order (non-returnable)

GTIN 4055626034218

Weight per Piece (excluding packing) 670.240 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 16 A

Rated voltage 63 V DC

Number of positions 5

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 PUR halogen-free gray

Cable type (abbreviation) 280

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

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

AWG power supply 14

Conductor structure, voltage supply $141 \times 0.15 \text{ mm}$

Core diameter including insulation $2.85 \text{ mm} \pm 0.1 \text{ mm}$

Thickness, insulation $\geq 0.31 \text{ mm}$

Wire colors Brown, white, blue, black, gray

External sheath, color gray RAL 7001

Outer sheath thickness approx. 0.76 mm

External cable diameter D....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-3,0-280/M12FRL FE 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

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.