

INDUSTRIAL COMPONENT DATA

SAC-6P- 3,0-PUR/M12FRM PE SH 1414908 PHOENIX CONTACT Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-6P-3,0-PUR/M12FRM PE SH



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-6P-3,0-PUR/M12FRM PE SH
Catalog number	1414908
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-144BFBC2DB
Generated	2026-08-04

Product Overview

Power cable

Power cable, 6-pole halogen-free, shielded (Advanced Shielding Technology), free cable end, to Elbowed Female M12, coding: M, cable length: 3 m, for AC 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

Key Commercial Data

Orderkey 1414908

Packing unit 1 pc

Note Made to Order (non-returnable)

GTIN 4055626035390

Weight per Piece (excluding packing) 556.770 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 8 A

Rated voltage 690 V AC

Number of positions 6

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

Coding M - Power

Standards/regulations M12 connector IEC 61076-2-111

Status display No

Protective circuit/component unwired

Overvoltage category III

Degree of pollution 3

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 black

Cable type (abbreviation) PUR

UL AWM style 20234 / 10492 (80°C/1000 V)

Conductor cross section $6 \times 1.5 \text{ mm}^2$

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 $\geq 0.36 \text{ mm}$

Wire colors black 1, black 2, black 3, black 4, black 5, green/yellow

External sheath, color orange RAL 2003

Outer sheath thickness approx. 1.15 mm

External cable diameter D 10.4...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-6P-3,0-PUR/M12FRM 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

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.