

INDUSTRIAL COMPONENT DATA

SAC-8P- 3,0-PVC/M12FR SH VA 1404640 PHOENIX CONTACT

Sensor/actuator cable, 8-pos., PVC, black, shielded, fre..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-8P-3,0-PVC/M12FR SH VA



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-8P-3,0-PVC/M12FR SH VA
Catalog number	1404640
Category	Sensor-actuator patch cord
Minimum order	25 Pcs
Document ID	EO-A6970FDFE5
Generated	2026-08-05

Product Overview

Sensor/actuator cable, 8-pos., PVC, black, shielded, free cable end, to angled M12 socket, A-coded, with VA knurl, cable length: 3 m

Sensor/actuator cable, 8 poles, PVC, black, shielded, free cable end, to M12 angled connection female, A-coded, with VA knurling, cable length: 3 m

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 1404640

Packing unit 1

GTIN 4046356707473

Custom tariff number 85444290

General

Environmental Product Compliance

Cable

Classifications

General

Rated voltage 30 V AC

30 V DC

[Back to top](#)Cable

Note The cable is not suitable for use with drag chains.

Cable type PVC black

Cable type (abbreviation) PVC

Cable abbreviation LiYF-C-Y

Conductor cross section 8x 0.25 mm² (Signal line)

AWG signal line 24

Conductor structure signal line 32x 0.10 mm

Core diameter including insulation 1.5 mm ±0.05 mm (Signal line)

Thickness, insulation ≥ 0.38 mm (Conductor insulation, signal line)

≥ 0.76 mm (Outer cable sheath)

Wire colors white, brown, green, yellow, gray, pink, blue, red

Overall twist 8 wires around filler to the core, twisted in with additional Cu litz in the wire outer godet

Shielding Tinned copper braided shield

Optical shield covering 85 %

External sheath, color black RAL 9005

External cable diameter D 7.7 mm ±0.2 mm

Smallest bending radius, fixed installation 38.5 mm

Smallest bending radius, movable installation 77 mm

Cable weight 85 kg/km

Outer sheath, material PVC

Material, filler PVC

Material conductor insulation PVC

Conductor material Bare Cu litz wires

Insulation resistance ≥ 10 G?·km

Conductor resistance ≤ 78 ?/km

Nominal voltage, cable 300 V

Test voltage, cable 3000 V

Ambient temperature (operation) -25 °C ... 105 °C (cable, fixed installation)

[Back to top](#)Environmental Product Compliance

REACH SVHC

Lead 7439-92-1

China RoHS Environmentally Friendly...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-8P-3,0-PVC/M12FR SH VA 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.