

INDUSTRIAL COMPONENT DATA

SAC-6P-MS/ 2,0-970/FS SCO 1428652 PHOENIX CONTACT

Bus system cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-6P-MS/ 2,0-970/FS SCO



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-6P-MS/ 2,0-970/FS SCO
Catalog number	1428652
Category	Sensor-actuator patch cord
Minimum order	1 Pcs
Document ID	EO-37EFD06ACA
Generated	2026-08-01

Product Overview

Bus system cable

Bus system cable, VARAN (100 MBit/s), 6-pole, shielded, M12 straight connector, coding: A SPEEDCON, a Straight female M12, coding: A SPEEDCON, cable length: 2 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 1428652

Packing unit 1 pc

Note Made to Order (non-returnable)

Catalog page Page 324 (PC-2011)

GTIN 4046356322935

Weight per Piece (excluding packing) 181.500 g

Custom tariff number 85444290

Country of origin PL (Poland)

Dimensions

Length of cable 2 m

Ambient conditions

Ambient temperature (operation) -25 °C ... 90 °C (Plug / socket)

Degree of protection IP65

IP67

General

Rated current at 40°C 2 A

Rated voltage 30 V AC

30 V DC

Number of positions 6

Color handle area black

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

Coding A - standard

Signal type/category VARAN, 100 Mbps

Status display No

Overvoltage category II

Degree of pollution 3

Torque 0.4 Nm (M12 connector)

Material

Flammability rating according to UL 94 HB

Contact material CuZn

Contact surface material Ni/Au

Contact carrier material TPU GF

Material of grip body TPU, hardly inflammable, self-extinguishing

Material, knurls Zinc die-cast, nickel-plated

Sealing material NBR

Pin assignment

Contact | Color (signal designation) | Contact (optional) 1 (Plug) | N.C. | 1 (Socket)

4 (Plug) | N.C. | 4 (Socket)

6 (Plug) | BU (Power) | 6 (Socket)

7 (Plug) | BN (Power) | 7 (Socket)

5 (Plug) | GN/WH (RD+) | 5 (Socket)

8 (Plug) | GN (RD-) | 8 (Socket)

2 (Plug) | OG/WH (TD+) | 2 (Socket)

3 (Plug) | OG (TD-) | 3 (Socket)

Standards and Regulations

Flammability rating according to UL 94 HB

Cable

Cable type VARAN

Cable type (abbreviation) 970

Cable abbreviation Li9YD12Y

Cable structure 1x2xAWG22/19 + 1x4xAWG24/19

Conductor c...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-6P-MS/ 2,0-970/FS SCO 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.