

INDUSTRIAL COMPONENT DATA

SAC-5P-M12MS/ 4,5-921 1424425 PHOENIX CONTACT

Sensor/actuator cable SAC-5P-M12MS/ 4,5-921 1424425

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-M12MS/ 4,5-921



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-M12MS/ 4,5-921
Catalog number	1424425
Category	Sensor-actuator patch cord
Minimum order	50 Pcs
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Product Overview

Sensor/actuator cable - SAC-5P-M12MS/ 4,5-921 - 1424425

Bus system cable, cable length: 4.5 m

Bus system cable, PUR halogen-free, black RAL 9005, cable length: 4.5 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)
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Additional Product Information

Technical dataProduct propertiesProduct type Data cable preassembled

Insulation characteristics

Overvoltage category II

Degree of pollution 3

Electrical propertiesNominal voltage UN 48 V AC

60 V DC

Nominal current IN 4 A

Cable/lineCable length 4.5 m

CANopen®/DeviceNet™, PUR, black [921]

Dimensional drawing

Cable weight 90 kg/km

UL AWM Style 21198 (80°C/300 V)

Number of positions 4

Shielded yes

Cable type CANopen®/DeviceNet™, PUR, black [921]

Conductor structure 2xAWG24/19+2xAWG22/19

Conductor structure signal line 19x 0.13 mm

AWG signal line 24

Conductor cross section 2x 0.25 mm² (Data cable)

2x 0.34 mm² (Power supply)

1x 0.34 mm² (Drain wire)

Wire diameter incl. insulation 1.95 mm ±0.05 mm (Data cable)

1.4 mm ±0.05 mm (Power supply)

External cable diameter 6.70 mm ±0.3 mm

Outer sheath, material PUR

External sheath, color black RAL 9005

Conductor material Tin-plated Cu litz wires

Material wire insulation Foamed PE (Data cable)

PE (Power supply)

Single wire, color red-black, blue-white

Twisted pairs 2 cores to the pair

Type of pair shielding Plastic-coated aluminum foil, aluminum side outside

Overall twist 2 pairs around a drain wire in the center to the core

Optical shield covering 80 %

Insulation resistance $\geq 5 \text{ G}\cdot\text{km}$ (Data cable)

$\geq 5 \text{ G}\cdot\text{km}$ (Power supply)

Loop resistance $\leq 181.80 \text{ }\Omega/\text{km}$ (Data cable)

$\leq 114.80 \text{ }\Omega/\text{km}$ (Power supply)

Wave impedance $120 \text{ }\Omega \pm 10 \%$ (with 1 MHz)

Cable capacity nom. 40 nF/km (Data cable)

Nominal voltage, cable $\leq 300 \text{ V}$ (Peak value, not for high-power applic...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-M12MS/ 4,5-921 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

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