

**INDUSTRIAL COMPONENT DATA**

# SAC-3P-MS/24,7-28RSCO RAIL 1X2 1424173 PHOENIX CONTACT Sensor/actuator cable SAC-3P-MS/24,7-28RSCO RAIL 1X2 ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-MS/24,7-28RSCO RAIL 1X2



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | SAC-3P-MS/24,7-28RSCO RAIL 1X2 |
| Catalog number  | 1424173                        |
| Category        | Sensor-actuator patch cord     |
| Minimum order   | 10 Pcs                         |
| Document ID     | EO-3474F0F0E6                  |
| Generated       | 2026-08-04                     |

## Product Overview

Sensor/actuator cable - SAC-3P-MS/24,7-28RSCO RAIL 1X2 - 1424173

Sensor/actuator cable, 3-position, PE-X halogen-free, black, shielded, Plug straight M12 SPEEDCON, coding: A, on free cable end, cable length: 24.7 m, For railway applications

**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

Technical dataProduct propertiesProduct type Sensor/actuator cable

Application Railway applications

Number of positions 3

No. of cable outlets 1

Shielded yes

Coding A

Insulation characteristics

Overvoltage category II

Degree of pollution 3

Material specificationsFlammability rating according to UL 94 V0

Material of grip body PA 6.6

Contact material CuSn  
Contact surface material Ni/Au  
Contact carrier material PA 6.6  
Material for screw connection Zinc die-cast, nickel-plated  
Electrical propertiesInsulation resistance  $\geq 100 \text{ M}\Omega$   
Nominal voltage UN 48 V AC  
60 V DC  
Nominal current IN 4 A  
Mechanical propertiesMechanical data  
Insertion/withdrawal cycles  $\geq 100$   
SignalingStatus display no  
Status display present No  
ConnectorConnection 1  
Type Plug straight M12 SPEEDCON  
Number of positions 3  
Locking type SPEEDCON  
Coding type A  
Connection 2  
Type free cable end  
Cable/lineCable length 24.7 m  
Shielded black RADOX® [28R]  
Dimensional drawing  
Cable weight 51 kg/km  
Number of positions 3  
Shielded yes  
Cable type Shielded black RADOX® [28R]  
Conductor structure signal line 19x 0.18 mm  
AWG signal line 20  
Conductor cross section 3x 0.5 mm<sup>2</sup>  
Wire diameter incl. insulation 1.43 mm  
External cable diameter 5.30 mm  $\pm 0.3 \text{ mm}$   
Outer sheath, material PE-X  
External sheath, color black  
Conductor material Tin-plated Cu litz wires  
Material wire insulation PE-X  
Single wire, color white 1, white 2, white 3  
Overall twist 3 wires, twisted  
Max. conductor resistance  $\leq 40.1 \text{ }\Omega/\text{km}$   
Nominal voltage, cable 600 V AC (Core-ground,....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-MS/24,7-28RSCO RAIL 1X2 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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