

**INDUSTRIAL COMPONENT DATA**

# SAC-3P-M12MR/ 6,0-PVC/M12FR 1447578 PHOENIX CONTACT

## Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MR/ 6,0-PVC/M12FR



|                 |                             |
|-----------------|-----------------------------|
| Manufacturer    | PHOENIX CONTACT             |
| MPN / Reference | SAC-3P-M12MR/ 6,0-PVC/M12FR |
| Catalog number  | 1447578                     |
| Category        | Sensor-actuator patch cord  |
| Minimum order   | 1 Pcs                       |
| Document ID     | EO-D726A62504               |
| Generated       | 2026-08-01                  |

## Product Overview

Sensor/actuator cable

**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 1447578

Packing unit 1 pc

Minimum order quantity 50 pc

Note Made to Order (non-returnable)

GTIN 4046356682138

Weight per Piece (excluding packing) 190.600 g

Custom tariff number 85444290

Country of origin DE (Germany)

General

Rated voltage 250 V AC

250 V DC

Cable

Cable type PVC black

Cable type (abbreviation) PVC

Cable abbreviation LiYY  
UL AWM style 2464 / 1729 (80°C/300 V)  
Conductor cross section 3x 0.34 mm<sup>2</sup> (Signal line)  
AWG signal line 22  
Conductor structure signal line 19x 0.15 mm  
Core diameter including insulation 1.26 mm ±0.05 mm  
Thickness, insulation ≥ 0.23 mm (Core insulation)  
Wire colors brown, blue, black  
Overall twist 3 wires, twisted  
External sheath, color black RAL 9005  
Outer sheath thickness ≥ 0.76 mm  
External cable diameter D 4.3 mm ±0.2 mm  
Minimum bending radius, fixed installation 5 x D  
Minimum bending radius, flexible installation 10 x D  
Cable weight 40 kg/km  
Outer sheath, material PVC  
Material conductor insulation PVC  
Conductor material Bare Cu litz wires  
Insulation resistance ≥ 100 MΩ·km (at 20 °C)  
Conductor resistance max. 57 Ω/km (at 20 °C)  
Nominal voltage, cable ≤ 300 V  
Test voltage, cable ≥ 2500 V  
Flame resistance As per UL-Style 2464  
Ambient temperature (operation) -40 °C ... 80 °C (cable, fixed installation)  
-25 °C ... 80 °C (cable, flexible installation)  
Environmental Product Compliance  
China RoHS Environmentally friendly use period: unlimited = EFUP-e  
No hazardous substances above threshold values  
Classifications  
eCl@s...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MR/ 6,0-PVC/M12FR 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

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.