

**INDUSTRIAL COMPONENT DATA**

# SAC-3P-M12MR/ 8,0-PVC/M12FR 1447594 PHOENIX CONTACT Sensor/actuator cable, 3-pos., PVC, RAL 7021 (black-gray)..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MR/ 8,0-PVC/M12FR



|                 |                             |
|-----------------|-----------------------------|
| Manufacturer    | PHOENIX CONTACT             |
| MPN / Reference | SAC-3P-M12MR/ 8,0-PVC/M12FR |
| Catalog number  | 1447594                     |
| Category        | Sensor-actuator patch cord  |
| Minimum order   | 1 Pcs                       |
| Document ID     | EO-B1F434F696               |
| Generated       | 2026-08-05                  |

## Product Overview

Sensor/actuator cable, 3-pos., PVC, RAL 7021 (black-gray), angled M12 male plug, A-coded, to angled M12 female plug, A-coded, cable length: 8.0 m

Sensor/actuator cable, 3 poles, PVC, greyish black RAL 7021, angled male connector M12, coded A, in angled female connection M12, coded A, cable length: 8.0 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 &gt; Industrial Field Connectivity (IFC)

## Additional Product Information

Key Commercial Data

Orderkey 1447594

Packing unit 1

GTIN 4046356692489

Custom tariff number 85444290

Drawings

General

Environmental Product Compliance

Ambient conditions

Cable

Classifications

Drawings

[Cable cross section](#)  
[PVC black \[PVC\]](#)  
[Back to top](#)[Ambient conditions](#)  
[Degree of protection IP65](#)  
[IP67](#)  
[Back to top](#)[General](#)  
[Rated current at 40°C 4 A](#)  
[Rated voltage 250 V AC](#)  
[250 V DC](#)  
[Overvoltage category II](#)  
[Degree of pollution 3](#)  
[Torque 0.4 Nm](#)  
[Back to top](#)[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 \(cable, flexible installation\)](#)  
[Back to t...](#)

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MR/ 8,0-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.