

**INDUSTRIAL COMPONENT DATA**

# SAC-4P-M12MS/ 3,0-800/M12FR-3L 1457115 PHOENIX CONTACT Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-4P-M12MS/ 3,0-800/M12FR-3L



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | SAC-4P-M12MS/ 3,0-800/M12FR-3L |
| Catalog number  | 1457115                        |
| Category        | Sensor-actuator patch cord     |
| Minimum order   | 1 Pcs                          |
| Document ID     | EO-C0B0E6E3E3                  |
| Generated       | 2026-08-04                     |

## Product Overview

Sensor/actuator cable

Sensor/actuator cable, 4-pole, halogen-free, solder-resistant, highly flexible, grey RAL 7001, M12 straight male connector, coding: A, to M12 angled connection female, coding: A, with 3 LEDs, cable length: 3 m, for robotics and drag chains

**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 1457115

Packing unit 1 pc

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GTIN 4046356593472

Weight per Piece (excluding packing) 110.100 g

Custom tariff number 85444290

Country of origin PL (Poland)

Dimensions

Length of cable 3 m

Ambient conditions

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

Degree of protection IP65

IP67

IP68

General

Rated current at 40°C 4 A

Rated voltage 24 V

24 V DC

Number of positions 4

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

Coding A - standard

Standards/regulations M12 connector IEC 61076-2-101

Status display 3 LEDs

Protective circuit/component unwired

Overvoltage category II

Degree of pollution 3

Insertion/withdrawal cycles  $\geq 100$

Torque 0.4 Nm (M12 connector)

Material

Flammability rating according to UL 94 HB

Contact material CuSn

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

Standards and Regulations

Standard designation M12 connector

Standards/regulations IEC 61076-2-101

Flammability rating according to UL 94 HB

Cable

Note Due to the extremely robust outer sheath, this cable should only be stripped in 5 cm increments.

Cable type Gray, highly flexible PUR

Cable type (abbreviation) 800

Cable abbreviation Li12YYTPE-HF

UL AWM style 20233

Conductor cross section  $4 \times 0.34 \text{ mm}^2$  (Signal line)

AWG signal line 22

Conductor structure signal line  $42 \times 0.10 \text{ mm}$

Core diameter including insula...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-4P-M12MS/ 3,0-800/M12FR-3L 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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