

# SAC-3P-M12MS/1,5-150/M12FR-2L

Order No.: 1533550

As in the figure, however, with an orange conductor



Sensor/Actuator cable, 3-position, PUR, orange RAL 2003, Plug, straight M12, A-coded, on Socket, angled M12, A-coded, with 2 LEDs, Cable length: 1.5 m

## Commercial data

|                |                                                                                                       |
|----------------|-------------------------------------------------------------------------------------------------------|
| EAN            | <br>4 017918 992095 |
| Pack           | 1                                                                                                     |
| Customs tariff | 85444290                                                                                              |

## Product notes

WEEE/RoHS-compliant since:  
2006-07-11



## Technical data

### General data

|                       |                            |
|-----------------------|----------------------------|
| Rated current at 40°C | 4 A                        |
| Rated voltage         | 24 V                       |
| Number of positions   | 3                          |
| Volume resistance     | $\leq 5 \text{ m}\Omega$   |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Length of cable       | 1.5 m                      |

**General characteristics**

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Coding                      | A - standard                                |
| Surge voltage category      | II                                          |
| Pollution degree            | 3                                           |
| Degree of protection        | IP65/IP68/IP69K                             |
| Insertion/withdrawal cycles | ≥ 100                                       |
| 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                                         |
| Status display              | 2 LEDs                                      |

**Conductor data**

|                                               |                                    |
|-----------------------------------------------|------------------------------------|
| Cable type                                    | PUR irradiated halogen-free orange |
| Cable abbreviation                            | D12YSL11X-OB                       |
| Conductor cross section                       | 0.34 mm <sup>2</sup>               |
| AWG signal line                               | 22                                 |
| Conductor structure signal line               | 42x 0.10 mm                        |
| External cable diameter                       | 4.40 mm                            |
| Wire colors                                   | Brown, blue, black                 |
| External sheath, color                        | orange RAL 2003                    |
| Conductor resistance                          | max. 57 Ω/km                       |
| Nominal voltage, conductor                    | 250 V                              |
| Test voltage, conductor                       | 2000 V                             |
| Overall twist                                 | 3 wires, twisted                   |
| Outer sheath, material                        | PUR                                |
| Material conductor insulation                 | PE                                 |
| Conductor material                            | Bare Cu litz wires                 |
| Smallest bending radius, fixed installation   | min. 20 mm                         |
| Smallest bending radius, movable installation | min. 30 mm                         |
| Number of bending cycles                      | 5000000                            |
| Bending radius                                | 44 mm                              |
| Traversing path                               | 10 m                               |
| Traversing rate                               | 3 m/s                              |

## Certificates

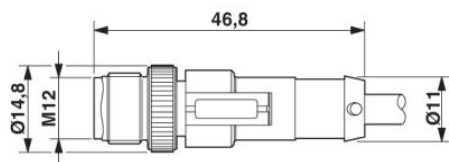


Certification

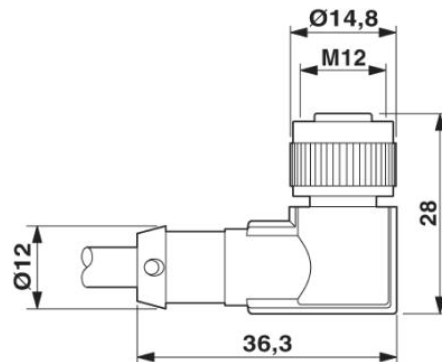
CUL Listed, UL Listed

## Drawings

Dimensioned drawing

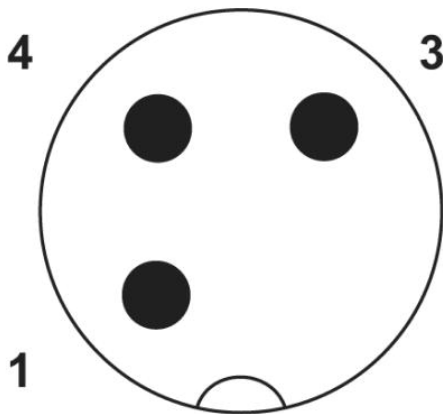


M12 x 1 male connector, straight

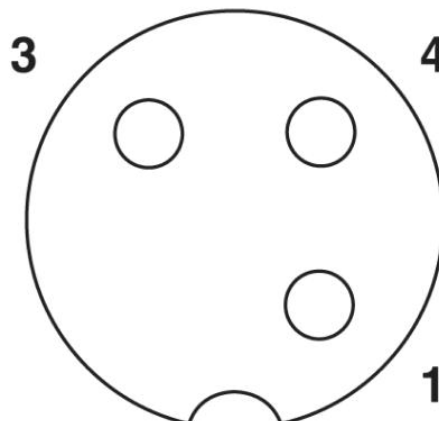


Socket M12 x 1, angled, with LED

Schematic diagram



Pin assignment M12 plug, 3-pos., A-coded, view male side



Pin assignment M12 socket, 3-pos., A-coded, view female side