

# SAC-4P-M12MR-M12FR/.../...

Order No.: 1697043



Sensor/Actuator cable, 4-position, Plug, angled M12, A-coded, on Socket, angled M12, A-coded, Cable length: Free input (0.2 ... 40.0 m)

## Commercial data

|                          |                   |
|--------------------------|-------------------|
| Note                     | Made-to-order     |
| Pack                     | 1                 |
| Customs tariff           | 85444290          |
| Catalog page information | Page 82 (PC-2009) |

## Product notes

WEEE/RoHS-compliant since:  
2006-07-12



## Technical data

### General data

|                       |                             |
|-----------------------|-----------------------------|
| Rated current at 40°C | 4 A                         |
| Rated voltage         | 250 V                       |
| Number of positions   | 4                           |
| Volume resistance     | $\leq 5 \text{ m}\Omega$    |
| Insulation resistance | $\geq 100 \text{ M}\Omega$  |
| Length of cable       | Free input (0.2 ... 40.0 m) |

**General characteristics**

|                          |                                             |
|--------------------------|---------------------------------------------|
| Standards/regulations    | M12 connector IEC 61076-2-101               |
| Coding                   | A - standard                                |
| Surge voltage category   | II                                          |
| Pollution degree         | 3                                           |
| Degree of protection     | IP65/IP68/IP69K                             |
| 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           | No                                          |

**Line characteristics**

|      |                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note | This order comprises a cable with a freely selectable cable type. As a result, technical data about the cable types available for selection is not displayed here. This information is available on request. |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Certificates**

Certification

CUL Listed, UL Listed

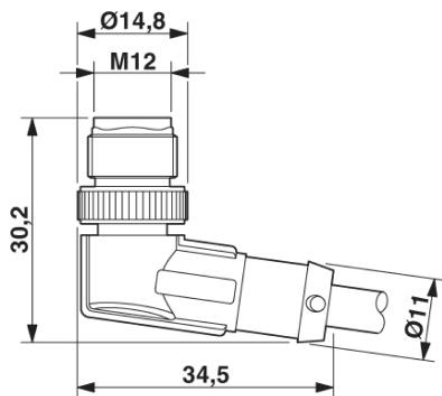
## Configuration options

### Cable type

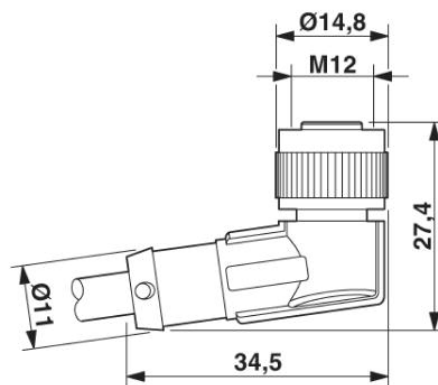
PUR halogen-free black [PUR]  
 PVC black [PVC]  
 PUR/PVC gray [100]  
 PUR/PVC yellow [140]  
 PUR irradi. halogen-free orange [150]  
 PUR irradi. halogen-free yellow [160]  
 PUR halogen-free orange [180]  
 PUR POWER 0,75mm<sup>2</sup> black [186]  
 PUR halogen-free yellow [240]  
 PUR halogen-free gray [280]  
 PVC gray [500]  
 PVC yellow [540]  
 PVC yellow 105 °C [542]  
 PUR highflex gray [800]

## Drawings

### Dimensioned drawing

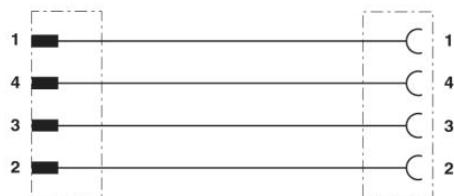


M12 x 1 male connector, angled



M12 x 1 female connector, angled

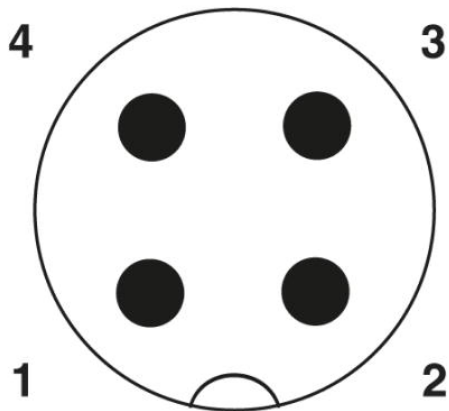
### Circuit diagram



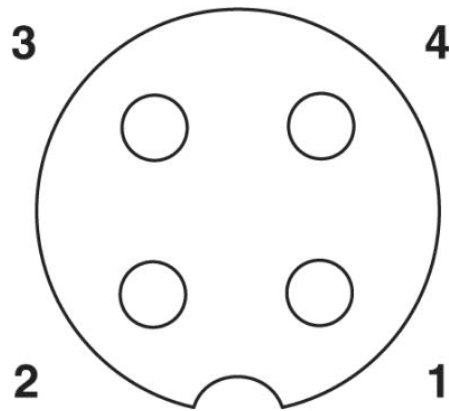
Contact assignment of the M12 plug and the M12 socket

Schematic diagram

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Pin assignment M12 plug, 4-pos., A-coded, view plug side



Pin assignment M12 socket, 4-pos., A-coded, view female side