

# SAC-4P-M 8MS/ 8,0-170/M 8FS SO

Order No.: 1541610



Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M8, A-coded, on Socket, straight M8, A-coded, Cable length: 8 m

## Commercial data

|                |                                                                                                       |
|----------------|-------------------------------------------------------------------------------------------------------|
| EAN            | <br>4 046356 088497 |
| Note           | Made-to-order                                                                                         |
| Pack           | 1                                                                                                     |
| Customs tariff | 85444290                                                                                              |

## Product notes

WEEE/RoHS-compliant since:  
2006-03-02



## Technical data

### General data

|                       |                            |
|-----------------------|----------------------------|
| Rated current at 40°C | 4 A                        |
| Rated voltage         | 30 V                       |
| Number of positions   | 4                          |
| Volume resistance     | $\leq 5 \text{ m}\Omega$   |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Length of cable       | 8 m                        |

**General characteristics**

|                          |                                             |
|--------------------------|---------------------------------------------|
| 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                                          |

**Conductor data**

|                                               |                                     |
|-----------------------------------------------|-------------------------------------|
| Cable type                                    | PUR halogen-free black              |
| Cable abbreviation                            | Li9Y11Y-HF                          |
| Conductor cross section                       | 0.25 mm <sup>2</sup>                |
| AWG signal line                               | 24                                  |
| Conductor structure signal line               | 32 x 0.10 mm                        |
| Core diameter including insulation            | 1.17 mm ±0.02 mm                    |
| Thickness, insulation                         | Approx. 0.21 mm (Core insulation)   |
|                                               | Approx. 0.7 mm (Outer cable sheath) |
| External cable diameter                       | 4.40 mm                             |
| Wire colors                                   | Brown, white, blue, black           |
| External sheath, color                        | Black-gray RAL 7021                 |
| Insulation resistance                         | ≥ 100 MΩ*km                         |
| Conductor resistance                          | ≤ 78 Ω/km                           |
| Nominal voltage, conductor                    | 300 V                               |
| Test voltage, conductor                       | 3000 V                              |
| Overall twist                                 | 4 wires, twisted                    |
| Outer sheath, material                        | PUR                                 |
| Material conductor insulation                 | PP                                  |
| Conductor material                            | Bare Cu litz wires                  |
| Cable weight                                  | 25 kg/km                            |
| Smallest bending radius, movable installation | 44 mm                               |
| Number of bending cycles                      | 4000000                             |

|                 |       |
|-----------------|-------|
| Bending radius  | 44 mm |
| Traversing path | 10 m  |
| Traversing rate | 3 m/s |

## Certificates

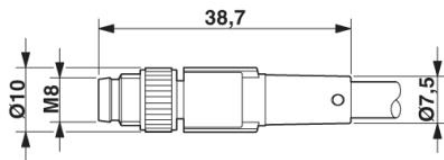


## Certification

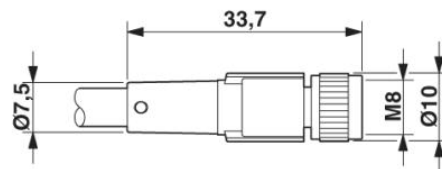
CUL Listed, UL Listed

## Drawings

## Dimensioned drawing

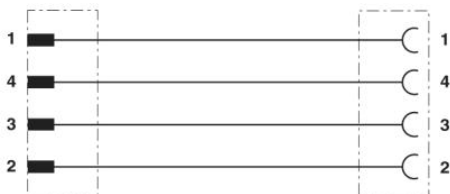


M8 x 1 male connector, straight version



Socket M8 x 1, straight

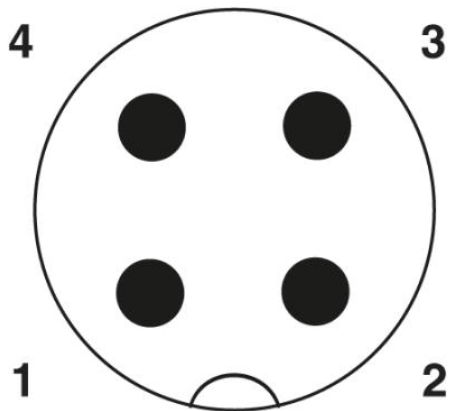
### Circuit diagram



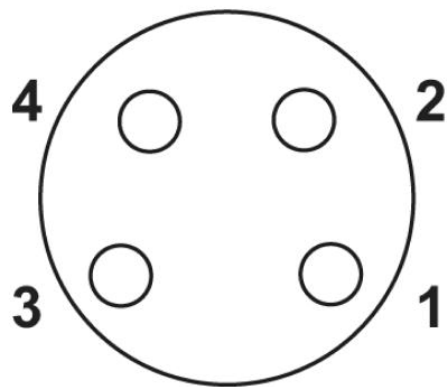
### Contact assignment of M8 plugs/sockets

Schematic diagram

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Pin assignment M8 plug, 4-pos., view male side



Pin assignment M8 socket, 4-pos., view female side