

# SAC-3P-M 8MR/ 1,5-PUR SH

Order No.: 1521669



Sensor/Actuator cable, 3-position, PUR, halogen-free, Black-gray RAL 7021, shielded, Plug, angled M8, on Free conductor end, Cable length: 1.5 m

## Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 017918 968670 |
| Note                     | Made-to-order                                                                                         |
| Pack                     | 1                                                                                                     |
| Customs tariff           | 85444290                                                                                              |
| Catalog page information | Page 79 (PC-2009)                                                                                     |

## Product notes

WEEE/RoHS-compliant since:  
2007-04-25



## Technical data

### General data

|                       |                            |
|-----------------------|----------------------------|
| Rated current at 40°C | 4 A                        |
| Rated voltage         | 60 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                      |

|                                            |                                                      |
|--------------------------------------------|------------------------------------------------------|
| Stripping length of the free conductor end | 50 mm                                                |
| Ambient temperature (operation)            | -25 °C ... 90 °C (Male connector / female connector) |

**General characteristics**

|                          |                                             |
|--------------------------|---------------------------------------------|
| Standards/regulations    | M8 connector IEC 61076-2-104                |
| Coding                   | A - standard                                |
| Surge voltage category   | II                                          |
| Pollution degree         | 3                                           |
| Degree of protection     | IP65/IP67/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)              |
| Status display           | No                                          |

**Conductor data**

|                                               |                                 |
|-----------------------------------------------|---------------------------------|
| Cable type                                    | PUR halogen-free black shielded |
| Cable type (abbreviation)                     | PUR                             |
| 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                |
| External cable diameter                       | 5.00 mm                         |
| Wire colors                                   | Brown, blue, black              |
| External sheath, color                        | Black-gray RAL 7021             |
| Outer sheath, material                        | PUR                             |
| Conductor material                            | Bare Cu litz wires              |
| Cable weight                                  | 33 kg/km                        |
| Smallest bending radius, fixed installation   | 50 mm                           |
| Smallest bending radius, movable installation | 50 mm                           |
| Number of bending cycles                      | 4000000                         |
| Bending radius                                | 50 mm                           |
| Traversing path                               | 10 m                            |
| Traversing rate                               | 3 m/s                           |
| Acceleration                                  | 10 m/s <sup>2</sup>             |

|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation)                        |
|                                 | -5 °C ... 80 °C (cable, flexible installation)                      |
| Special properties              | Flexible cable conduit capable                                      |
|                                 | Silicone-free                                                       |
|                                 | Free of substances which would hinder coating with paint or varnish |
| Flame resistance                | in accordance with DIN UL-Style 20549                               |
| Halogen-free                    | in accordance with DIN VDE 0472 part 815                            |
| Resistance to oil               | in accordance with DIN EN 60811-2-1                                 |
| Other resistance                | Highly resistant to acids, alkaline solutions and solvents          |
|                                 | hydrolysis and microbe resistant                                    |

#### Certificates



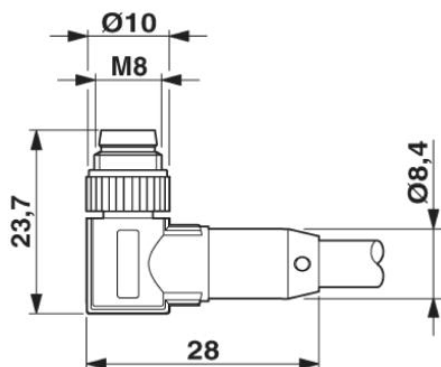
Certification

CUL Listed, UL Listed

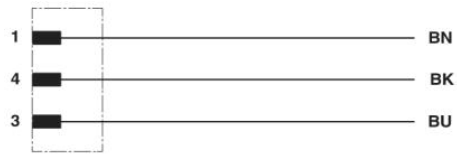
#### Drawings

Dimensioned drawing

M8 x 1 male connector, angled version

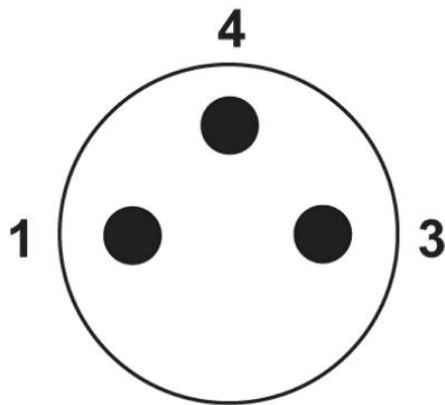


Circuit diagram



Contact assignment of the M8 plug

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side