

## Sensor/Actuator cable - SAC-6P-M 8MS/ 1,5-PUR SH - 1522299

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Sensor/Actuator cable, 6-position, PUR halogen-free, black-gray RAL 7021, shielded, Plug straight M8, on free cable end, Cable length: 1.5 m

### Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Our standard: robust halogen-free PUR cable
- ✓ Reliable signal transmission – 360° shielding in environments with electromagnetic interference

### Key Commercial Data

|                                      |               |
|--------------------------------------|---------------|
| Packing unit                         | 1 STK         |
| GTIN                                 |               |
| GTIN                                 | 4046356021067 |
| Weight per Piece (excluding packing) | 67.360 g      |
| Custom tariff number                 | 85444290      |
| Country of origin                    | Poland        |

### Technical data

#### Dimensions

|  |       |
|--|-------|
| Length of cable                            | 1.5 m |
| Stripping length of the free conductor end | 50 mm |

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| Degree of protection            | IP65                             |
|                                 | IP67                             |

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### Technical data

#### General

|                              |                              |
|------------------------------|------------------------------|
| Rated current at 40°C        | 1.5 A                        |
| Rated voltage                | 30 V                         |
| Number of positions          | 6                            |
| Insulation resistance        | ≥ 100 MΩ                     |
| Coding                       | A - standard                 |
| Standards/regulations        | M8 connector IEC 61076-2-104 |
| Status display               | No                           |
| Protective circuit/component | Unwired                      |
| Overvoltage category         | II                           |
| Degree of pollution          | 3                            |
| Insertion/withdrawal cycles  | ≥ 100                        |
| Torque                       | 0.2 Nm (M8 connectors)       |

#### Material

|  |   |
|--|---|
| Flammability rating according to UL 94 | HB  |
| Contact material                       | CuZn  |
| 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                |

#### Standards and Regulations

|  |                 |
|--|-----------------|
| Standard designation                   | M8 connector    |
| Standards/regulations                  | IEC 61076-2-104 |
| Flammability rating according to UL 94 | HB              |

#### Cable

|   |                                       |
|---|---------------------------------------|
| Cable type                                    | PUR halogen-free black                |
| Cable type (abbreviation)                     | PUR                                   |
| Conductor cross section                       | 6x 0.14 mm <sup>2</sup> (Signal line) |
| AWG signal line                               | 26                                    |
| Conductor structure signal line               | 18x 0.10 mm                           |
| Core diameter including insulation            | 1.05 mm ±0.02 mm                      |
| Wire colors                                   | Brown, white, black, blue, gray, pink |
| External sheath, color                        | black-gray RAL 7021                   |
| External cable diameter                       | 5.20 mm                               |
| Smallest bending radius, fixed installation   | 52 mm                                 |
| Smallest bending radius, movable installation | 52 mm                                 |
| Number of bending cycles                      | 4000000                               |

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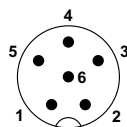
### Technical data

#### Cable

|                                 |   |
|---------------------------------|---|
| Bending radius                  | 52 mm   |
| Traversing path                 | 10 m  |
| Traversing rate                 | 3 m/s   |
| Acceleration                    | 10 m/s <sup>2</sup>   |
| Cable weight                    | 34 kg/km  |
| Outer sheath, material          | PUR   |
| Conductor material              | Bare Cu litz wires  |
| 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                                    |
|                                 | partly UV-resistant in accordance with DIN EN ISO 4892-2-A          |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation)                        |
|                                 | -5 °C ... 80 °C (cable, flexible installation)                      |

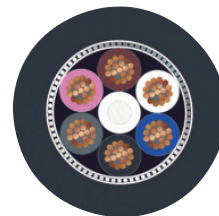
### Drawings

Schematic diagram



Pin assignment M8 plug, 6-pos., view male side

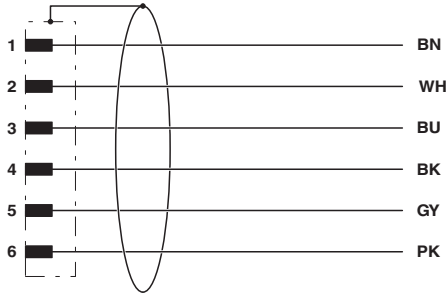
Cable cross section



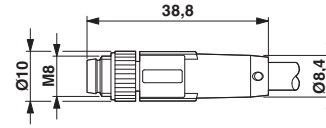
PUR halogen-free black [PUR]

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Circuit diagram



Dimensional drawing



Plug M8 x 1, straight, shielded

Contact assignment of the M8 plug

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

### Approval details

|   |       |
|---|-------|
| UL Listed <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 221474 |       |
| Nominal current I <sub>N</sub>  | 4 A   |
| Nominal voltage U <sub>N</sub>  | 125 V |

|  |       |
|--|-------|
| cUL Listed <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 221474 |       |
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|                   |
|-------------------|
| EAC EAC-Zulassung |
|-------------------|

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### Approvals

