

# SAC-3P-M 8MS/1,0-PUR/CI-1LZ VL - Sensor/actuator cable



1400728

<https://www.phoenixcontact.com/us/products/1400728>

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Sensor/actuator cable, PUR halogen-free, black-gray RAL 7021, Plug straight M8, coding: A, on Valve connector CI (9.4 mm), with 1 LED, Wiring: Z diode

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1400728                        |
| Packing unit                         | 50 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | AF1DFA                         |
| GTIN                                 | 4046356513715                  |
| Weight per piece (including packing) | 50.466 g                       |
| Weight per piece (excluding packing) | 48.82 g                        |
| Country of origin                    | PL                             |

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## Technical data

### Product properties

|              |  |
|--------------|--|
| Product type | Sensor/actuator cable with valve connector |
|--------------|--|

### Electrical properties

|                       |         |
|-----------------------|---------|
| Nominal voltage $U_N$ | 24 V AC |
|                       | 24 V DC |

### Connector

#### Connection 1

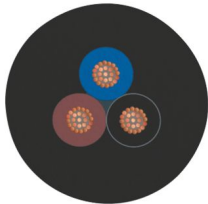
|             |                  |
|-------------|------------------|
| Type        | Plug straight M8 |
| Coding type | A                |

#### Connection 2

|                    |                             |
|--------------------|-----------------------------|
| Type               | Valve connector CI (9.4 mm) |
| Protective circuit | Z diode                     |

### Cable/line

#### PUR halogen-free black [PUR]

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| Cable weight                    | 23 kg/km   |
| UL AWM Style                    | 20549  |
| Number of positions             | 3  |
| Shielded                        | no   |
| Cable type                      | PUR halogen-free black [PUR]   |
| Conductor structure signal line | 42x 0.10 mm  |
| AWG signal line                 | 22   |
| Conductor cross-section         | 3x 0.34 mm <sup>2</sup> (Signal line)  |
| Wire diameter incl. insulation  | 1.27 mm ±0.02 mm (Signal line)   |
| External cable diameter         | 3.85 mm ±0.15 mm   |
| Outer sheath, material          | PUR  |
| External sheath, color          | black-gray RAL 7021  |
| Conductor material              | Bare Cu litz wires   |
| Material wire insulation        | PP   |
| Single wire, color              | brown, blue, black   |

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|   |  |
|---|--|
| Thickness, insulation                         | ≥ 0.21 mm (Core insulation)  |
|   | approx. 0.50 mm (Outer cable sheath)   |
| Overall twist                                 | 3 wires, twisted   |
| Max. conductor resistance                     | max. 58 Ω/km (at 20 °C)  |
| Insulation resistance                         | ≥ 100 GΩ*km (at 20 °C)   |
| Nominal voltage, cable                        | ≤ 300 V  |
| Test voltage                                  | ≥ 3000 V   |
| Smallest bending radius, fixed installation   | 19 mm  |
| Smallest bending radius, movable installation | 38 mm  |
| Dynamic load capacity (bending)               | Max. bending cycles: 10000000, Bending radius: 38 mm, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s <sup>2</sup> |
| Dynamic load capacity (torsion)               | Torsion: ±180 °/m, Torsion cycles: ≥5000000, Torsional frequency: 35 cycles/min.   |
| Halogen-free                                  | in accordance with DIN VDE 0472 part 815   |
| Flame resistance                              | in accordance with UL 758/1581 FT2   |
|   | DIN EN 60332-2-2 (20 s)  |
| 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)   |
| Special properties                            | Flexible cable conduit capable   |
|   | Silicone-free  |
|   | Free of substances which would hinder coating with paint or varnish  |
| Ambient temperature (operation)               | -40 °C ... 80 °C (cable, fixed installation)   |
|   | -25 °C ... 80 °C (Cable, flexible installation)  |

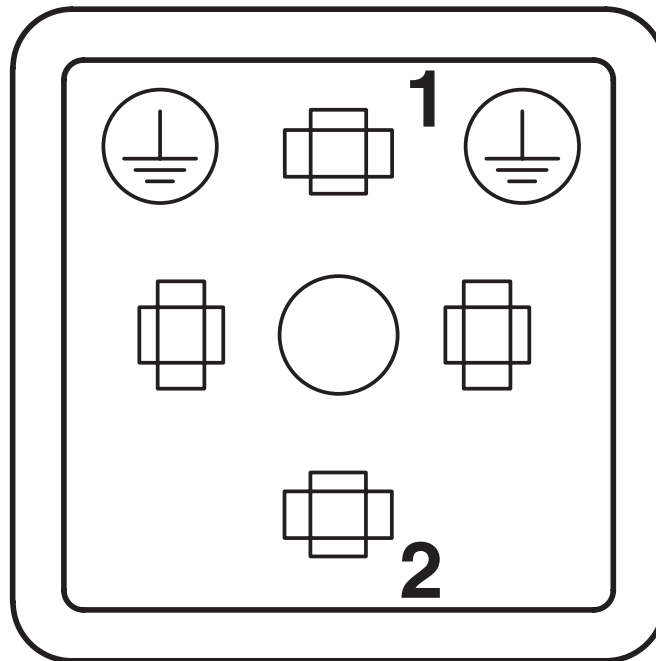
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## Drawings

Schematic diagram



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27060312 |
| ECLASS-15.0 | 27060312 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31251501 |
|-------------|----------|

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## Environmental product compliance

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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