

SAC-2P-M 8MS/ 3,0-PUR/ZC-1L-S - Sensor/actuator cable



1453342

<https://www.phoenixcontact.com/us/products/1453342>

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Sensor/actuator cable, 2-position, PUR, gray RAL 7001, Plug straight M8, on Valve connector Festo ZC, with 1 LED, Wiring: Protective circuit and holding current reduction, cable length: 3 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- Connecting cable specially for Festo KMYZ9 type valves

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1453342 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | AF1DWA |
| GTIN | 4046356550956 |
| Weight per piece (including packing) | 37.5 g |
| Weight per piece (excluding packing) | 54.1 g |
| Country of origin | PL |

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Technical data

Product properties

| | |
|----------------------|--|
| Product type | Sensor/actuator cable with valve connector |
| Application | Standard |
| Number of positions | 2 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | A |

Insulation characteristics

| | |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution | 3 |

Connection data

Conductor connection

| | |
|-------------------|------------------------|
| Tightening torque | 0.2 Nm (M8 connectors) |
|-------------------|------------------------|

Material specifications

| | |
|--|------------------------------|
| Flammability rating according to UL 94 | HB |
| Seal material | NBR |
| Material housing valve plug | PA |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Contact material | CuSn |
| Contact surface material | Sn |
| Material for screw connection | Zinc die-cast, nickel-plated |

Electrical properties

| | |
|-----------------------|----------------------------|
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 24 V DC |
| Nominal current I_N | 4 A |

Valve connector characteristics

| | |
|---------------|----|
| Fixing screws | M2 |
|---------------|----|

Mechanical properties

Mechanical data

| | |
|-----------------------------|------------|
| Insertion/withdrawal cycles | ≥ 100 |
|-----------------------------|------------|

Signaling

| | |
|------------------------|-------|
| Status display | 1 LED |
| Status display present | yes |

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Connector

Connection 1

| | |
|----------|---|
| Type | Plug straight M8 |
| Material | CuSn (Contact) |
| | Ni/Au (Contact surface) |
| | TPU GF (Contact carrier) |
| | TPU, hardly inflammable, self-extinguishing (Grip body) |

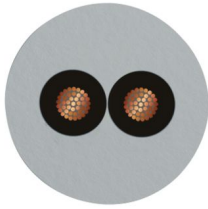
Connection 2

| | |
|--------------------|--|
| Type | Valve connector Festo ZC |
| Material | CuSn (Contact) |
| | Sn (Contact surface) |
| | PA (Housing) |
| Protective circuit | Protective circuit and holding current reduction |

Cable/line

| | |
|--------------|-----|
| Cable length | 3 m |
|--------------|-----|

PUR gray [PUR]

| | |
|---------------------------------|--|
| Dimensional drawing |  |
| Number of positions | 2 |
| Shielded | no |
| Cable type | PUR gray [PUR] |
| AWG signal line | 24 |
| Conductor cross-section | 2x 0.25 mm ² (Signal line) |
| External cable diameter | 3.40 mm |
| Outer sheath, material | PUR |
| External sheath, color | gray RAL 7001 |
| Conductor material | Bare Cu litz wires |
| Single wire, color | black, black |
| Ambient temperature (operation) | -10 °C ... 50 °C (cable, fixed installation) |
| | -10 °C ... 50 °C (Cable, flexible installation) |

Environmental and real-life conditions

Ambient conditions

| |
|------|
| IP65 |
|------|

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| | |
|---|------------------------------------|
| Degree of protection | IP67 |
| | IP68 |
| Ambient temperature (operation) (Valve connector) | -10 °C ... 50 °C (Valve connector) |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 90 °C (Plug / socket) |

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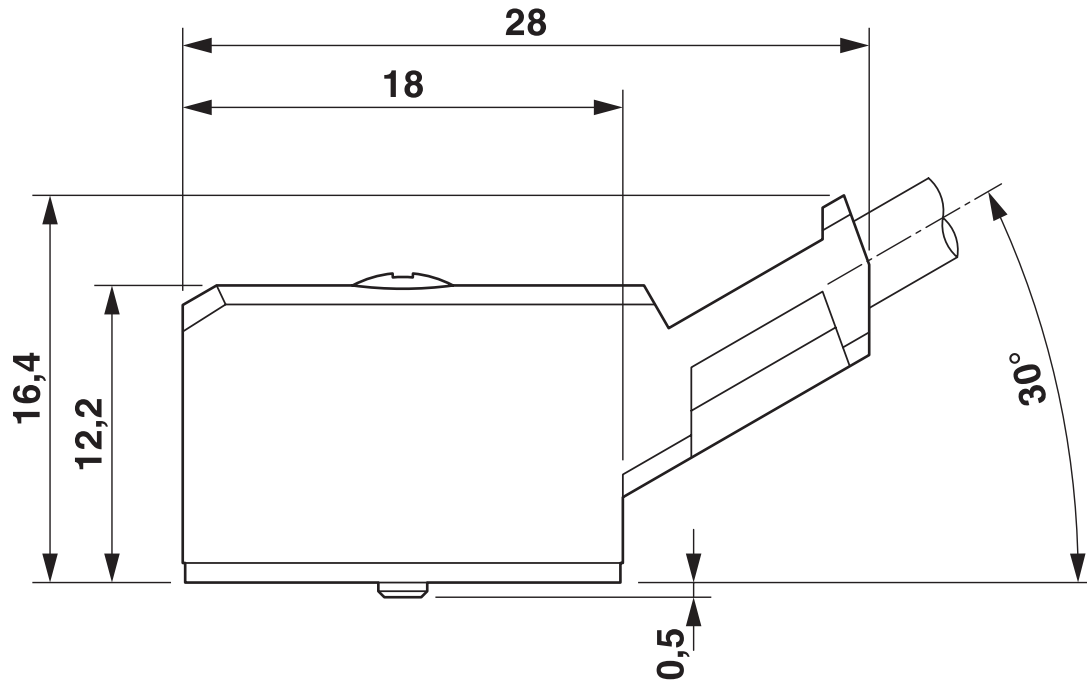


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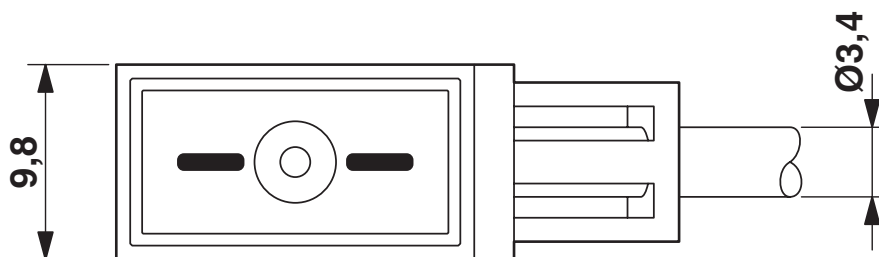
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Drawings

Dimensional drawing



Dimensional drawing

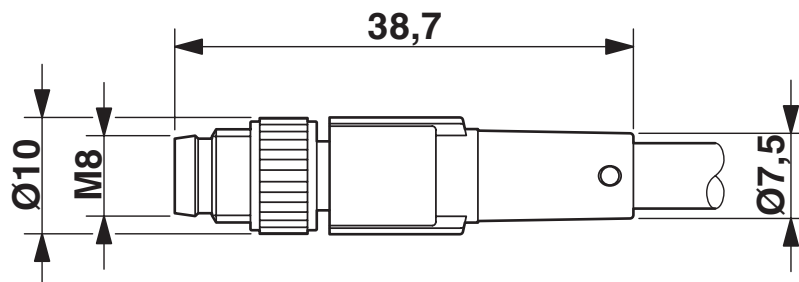


SAC-2P-M 8MS/ 3,0-PUR/ZC-1L-S - Sensor/actuator cable

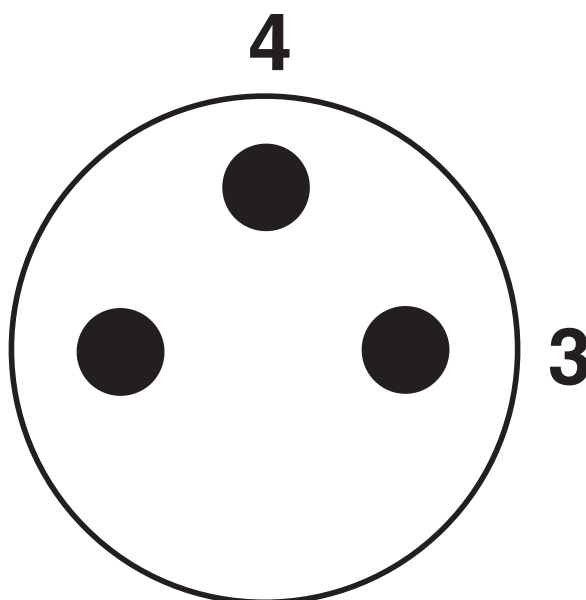
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Dimensional drawing



Schematic diagram

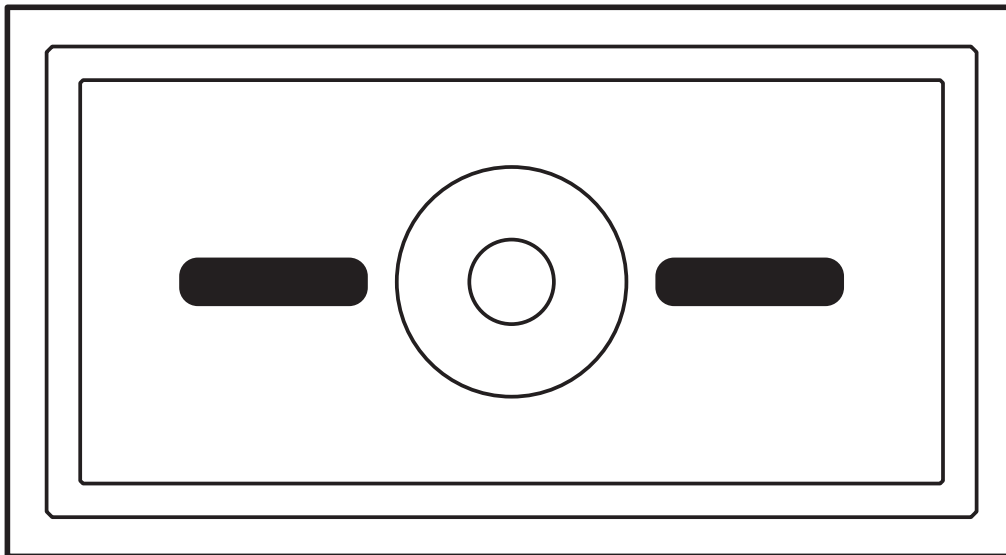


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Schematic diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1453342>



EAC-RoHS

Approval ID: RU D-DE.HB35.B.00387

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Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001855 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 31251500 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(c)-I |

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% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 2.973 kg CO2e |
|---------|---------------|

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com