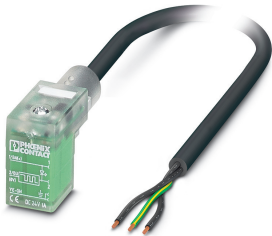


Sensor/actuator cable - SAC-3P-10,0-PUR/CI-1L-R-ES - 1401617


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Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector CI (9.4 mm), with 1 LED, connected with Damping diode, cable length: 10 m, with holding current limiting device for energy reduction



Key Commercial Data

| | |
|----------------------|---|
| Packing unit | 1 |
| GTIN |  4 046356 924702 |
| GTIN | 4046356924702 |
| Custom tariff number | 85444290 |

Technical data

Dimensions

| | |
|-------------------------------|---------|
| Length of cable | 10 m |
| Central screw valve connector | M3 x 25 |

Ambient conditions

| | |
|---------------------------------|-------------------------------|
| Ambient temperature (operation) | -25 °C ... 80 °C (valve plug) |
| | -25 °C ... 80 °C (valve plug) |
| Degree of protection | IP67 |

General

| | |
|-----------------------|---------------|
| Rated current at 40°C | 1 A |
| Rated voltage | 24 V DC ±20 % |
| Number of positions | 3 |
| Insulation resistance | ≥ 100 MΩ |
| Status display | 1 LED |

Sensor/actuator cable - SAC-3P-10,0-PUR/CI-1L-R-ES - 1401617

Technical data

General

| | |
|------------------------------|---|
| Protective circuit/component | Freewheeling diode with holding current limiting device |
| Switch-over time | approx. 200 ms (Initial operating time) |
| Clock frequency | approx. 2500 Hz (Holding current limiting device) |
| Switching frequency | max. 5 Hz (Connected valve) |

Material

| | |
|-------------------------------------|-------------------|
| Valve plug contact material | CuSn |
| Valve plug contact surface material | Ag |
| Valve plug contact insert material | PA 6.6 |
| Material housing valve plug | TPU |
| Sealing material | TPU (Seal molded) |

Standards and Regulations

Cable

| | |
|---|--------------------------------|
| Cable type | PUR halogen-free black |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | Li9Y11Y-HF |
| UL AWM style | 20549 |
| Conductor cross section | 3x 0.5 mm ² |
| AWG signal line | 20 |
| Conductor structure signal line | 28x 0.15 mm |
| Core diameter including insulation | 1.5 mm ±0.05 mm (Signal line) |
| Wire colors | black 1, black 2, green/yellow |
| Overall twist | 3 wires, twisted |
| External sheath, color | black-gray RAL 7021 |
| External cable diameter D | 4.5 mm ±0.2 mm |
| Smallest bending radius, fixed installation | 22.5 mm |
| Number of bending cycles | 15000000 |
| Bending radius | 50 mm |
| Traversing path | 0.9 m |
| Traversing rate | 5 m/s |
| Acceleration | 30 m/s ² |
| Outer sheath, material | PUR |
| Material conductor insulation | PP |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | min. 20 MΩ*km |
| Conductor resistance | 39 Ω/km (at 20 °C) |
| Nominal voltage, cable | ≤ 300 V |

Sensor/actuator cable - SAC-3P-10,0-PUR/CI-1L-R-ES - 1401617

Technical data

Cable

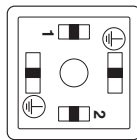
| | |
|---------------------------------|--|
| Test voltage, cable | ≥ 1200 V |
| Other resistance | largely oil-resistant |
| | partly UV-resistant in accordance with DIN EN ISO 4892-2-A |
| Flame resistance | according to DIN VDE 0482 |
| | According to DIN EN 50265-2-1 |
| Halogen-free | in accordance with DIN VDE 0472 part 815 |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -20 °C ... 80 °C (cable, flexible installation) |

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

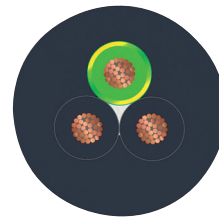
Drawings

Schematic diagram



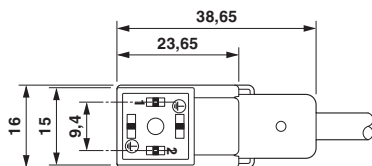
Valve connector connector pin assignment, type CI

Cable cross section



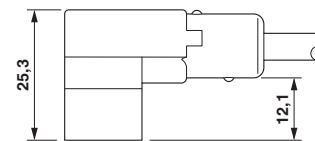
PUR halogen-free black [PUR]

Dimensional drawing



Valve connector, type CI

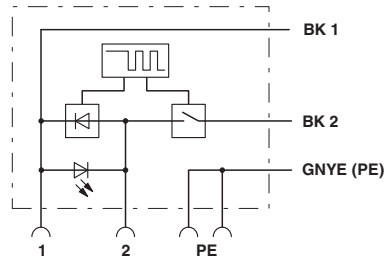
Dimensional drawing



Valve connector, type CI, side view

Sensor/actuator cable - SAC-3P-10,0-PUR/CI-1L-R-ES - 1401617

Circuit diagram



Contact assignment of the valve plug

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27060312 |
| eCl@ss 11.0 | 27060312 |
| eCl@ss 4.0 | 27060300 |
| eCl@ss 4.1 | 27060300 |
| eCl@ss 5.0 | 27061800 |
| eCl@ss 5.1 | 27061800 |
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 9.0 | 27060312 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC001855 |
| ETIM 6.0 | EC001855 |
| ETIM 7.0 | EC001855 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 31251501 |
| UNSPSC 19.0 | 31251501 |
| UNSPSC 20.0 | 31251501 |
| UNSPSC 21.0 | 31251501 |

Approvals

Approvals

Approvals

EAC-RoHS / EAC


Sensor/actuator cable - SAC-3P-10,0-PUR/CI-1L-R-ES - 1401617

Approvals

Ex Approvals

Approval details

| | | |
|----------|---|--------------------------|
| EAC-RoHS |  | RU D- DE.HB35.B.00387 |
|----------|---|--------------------------|

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.BL08.B.00286 |
|-----|---|--------------------------|
