

Sensor/Actuator cable - SAC-3P- 1,5-PUR/A-1L-S F - 1669916

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Sensor/Actuator cable, 3-position, PUR/PVC, gray RAL 7001, free cable end, on Valve connector A, with 1 LED, connected with Z diode, Cable length: 1.5 m

Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Robust valve connector with Zener diode as protective circuit
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics
- ✓ Compact: flat design for applications where space is at a premium

RoHS

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 STK |
| Minimum order quantity | 5 STK |
| GTIN |  4 017918 134815 |
| GTIN | 4017918134815 |
| Weight per Piece (excluding packing) | 110.480 g |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--|---------|
| Length of cable | 1.5 m |
| Stripping length of the free conductor end | 50 mm |
| Central screw valve connector | M3 x 29 |

Ambient conditions

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Technical data

Ambient conditions

| | |
|---------------------------------|-------------------------------|
| Ambient temperature (operation) | -20 °C ... 80 °C (valve plug) |
| Degree of protection | IP65 |
| | IP67 |
| | IP68 |

General

| | |
|------------------------------|----------|
| Rated current at 40°C | 3 A |
| Rated voltage | 24 V |
| Number of positions | 3 |
| Insulation resistance | ≥ 100 MΩ |
| Status display | 1 LED |
| Protective circuit/component | Z diode |
| Overvoltage category | II |
| Degree of pollution | 3 |

Material

| | |
|--|------------------------------|
| Flammability rating according to UL 94 | V0 |
| Valve plug contact material | CuSn |
| Valve plug contact surface material | Ag |
| Valve plug contact insert material | PBT |
| Material housing valve plug | PBT |
| Sealing material | TPU (Flat gasket valve plug) |

Cable

| | |
|------------------------------------|--------------------------------------|
| Cable type | PUR/PVC gray |
| Cable type (abbreviation) | 100 |
| Cable abbreviation | LiYY11Y-JZ |
| Conductor cross section | 0.75 mm ² |
| AWG signal line | 18 |
| Conductor structure signal line | 24x 0.20 mm |
| Core diameter including insulation | approx. 1.8 mm |
| Thickness, insulation | approx. 0.34 mm (Core insulation) |
| | approx. 0.35 mm (Outer cable sheath) |
| | approx. 0.3 mm (Inner sheath) |
| Wire colors | black 1, black 2, green/yellow |
| Overall twist | 3 concentrically twisted wires |
| Length of twist, overall twist | 83 mm |
| External sheath, color | gray RAL 7001 |
| External cable diameter | 5.20 mm |

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Technical data

Cable

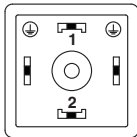
| | |
|---|--|
| Smallest bending radius, movable installation | 62 mm |
| Outer sheath, material | PUR |
| Material, inner sheath | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | $\geq 1 \text{ M}\Omega \cdot \text{km}$ |
| Nominal voltage, cable | 240 V |
| Test voltage, cable | 2000 V |
| Ambient temperature (operation) | -30 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 70 °C (cable, flexible installation) |

Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

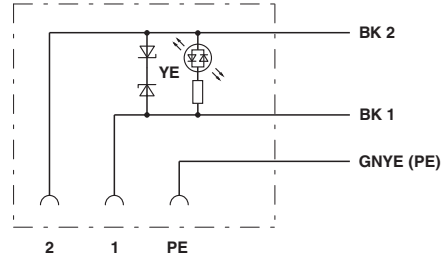
Drawings

Schematic diagram



Valve connector pin assignment, type A

Circuit diagram



Contact assignment of the valve plug

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

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Approvals

EAC



EAC-Zulassung