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Especialistas en Automatización

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## Sensor/Actuator cable - SAC-3P- 3,0-PVC/A-1L-V 230V - 1415913

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Sensor/Actuator cable, 3-position, PVC, black RAL 9005, free cable end, on Valve connector A, with 1 LED, connected with Varistor, Cable length: 3 m

### Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Robust valve connector with varistor as protective circuit
- Convenient: increased machine availability thanks to quick and easy diagnostics

### Key Commercial Data

|              |                     |
|--------------|---------------------|
| Packing unit | 1 STK               |
| GTIN         | <br>4 055626 054780 |

### Technical data

#### Dimensions

|                 |     |
|-----------------|-----|
| Length of cable | 3 m |
|-----------------|-----|

#### Ambient conditions

|                                 |                               |
|---------------------------------|-------------------------------|
| Ambient temperature (operation) | -20 °C ... 85 °C (valve plug) |
| Degree of protection            | IP65                          |
|                                 | IP67                          |

#### General

|                              |                               |
|------------------------------|-------------------------------|
| Rated current at 40°C        | 4 A                           |
| Rated voltage                | 230 V                         |
| Number of positions          | 3                             |
| Insulation resistance        | ≥ 100 MΩ                      |
| Standards/regulations        | Valve connector EN 175301-803 |
| Status display               | 1 LED                         |
| Protective circuit/component | Varistor 230 V                |
| Overvoltage category         | III                           |
| Degree of pollution          | 3                             |

#### Material

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### Technical data

#### Material

|  |                   |
|--|-------------------|
| Flammability rating according to UL 94 | V0                |
| Valve plug contact material            | CuSn              |
| Valve plug contact surface material    | Sn                |
| Valve plug contact insert material     | PA 66             |
| Material housing valve plug            | TPU               |
| Sealing material                       | TPU (Seal molded) |

#### Standards and Regulations

|  |                 |
|--|-----------------|
| Standard designation                   | Valve connector |
| Standards/regulations                  | EN 175301-803   |
| Flammability rating according to UL 94 | V0              |

#### Cable

|  |  |
|--|--|
| Cable type                                 | PVC black                                      |
| Cable type (abbreviation)                  | PVC  |
| Cable abbreviation                         | LiYY   |
| UL AWM style                               | 2464   |
| Conductor cross section                    | 3x 0.5 mm <sup>2</sup>                         |
| AWG signal line                            | 20   |
| Conductor structure signal line            | 16x 0.20 mm                                    |
| Core diameter including insulation         | 1.5 mm ±0.05 mm                                |
| Wire colors                                | black 1, black 2, green/yellow                 |
| Overall twist                              | 3 wires, twisted                               |
| External sheath, color                     | black RAL 9005                                 |
| External cable diameter D                  | 4.8 mm ±0.2 mm                                 |
| Minimum bending radius, fixed installation | 5 x D  |
| Outer sheath, material                     | PVC  |
| Material conductor insulation              | PVC  |
| Conductor material                         | Bare Cu litz wires                             |
| Insulation resistance                      | ≥ 20 MΩ*km                                     |
| Conductor resistance                       | 39 Ω/km (at 20 °C)                             |
| Nominal voltage, cable                     | 300 V  |
| Test voltage, cable                        | 1200 V   |
| Flame resistance                           | DIN VDE 0482                                   |
|  | DIN EN 50265-2-1                               |
| Resistance to oil                          | Almost oil-resistant                           |
| Ambient temperature (operation)            | -40 °C ... 80 °C (cable, fixed installation)   |
|  | -5 °C ... 80 °C (cable, flexible installation) |

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## Classifications

eCl@ss

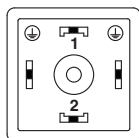
|            |          |
|------------|----------|
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 8.0 | 27279218 |

ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC001855 |
|----------|----------|

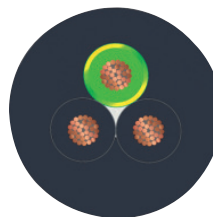
## Drawings

Schematic diagram



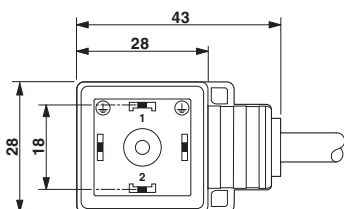
Valve connector pin assignment, type A

Cable cross section



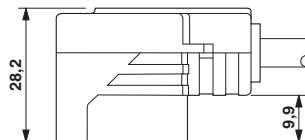
PVC black [PVC]

Dimensional drawing



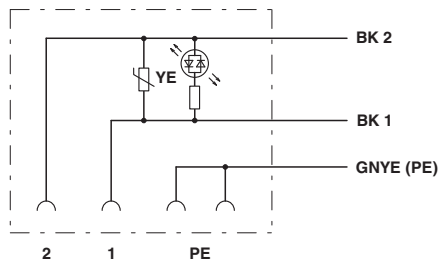
Valve connector, type A

Dimensional drawing



Valve connector, type A, side view

Circuit diagram



Contact assignment of the valve plug

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