

## Double valve connector cable - SAC- 5,0/0,2-116/2XA-1L-Z - 1458088

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Double valve connector cable, 4-position, PUR/PVC, Black RAL 9005, free cable end, on Valve connector A, with 1 LED, connected with Z diode and Valve connector A, with 1 LED, connected with Z diode, Cable length: 5 m, Valve connector distance: 0.2 m

### Product description

Sensor/actuator cable, 4-pos., PUR/PVC, RAL 9005 (black), free cable end to valve connector A, with 1 LED, connected to a Zener diode and valve connector A, with 1 LED, connected to a Zener diode, cable length: 5 m, valve connector spacing: 0.4 m

### Product Features

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Robust valve connector with Zener diode as protective circuit
- ✓ Efficient: control valves with two connections via a single connecting cable
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics



### Key commercial data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 pc     |
| Custom tariff number | 85444290 |
| Country of origin    | Germany  |

### Technical data

#### Dimensions

|                          |       |
|--------------------------|-------|
| Length of cable          | 5 m   |
| Valve connector distance | 0.2 m |

#### Ambient conditions

|                                 |                               |
|---------------------------------|-------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (valve plug) |
| Degree of protection            | IP65                          |
|                                 | IP67                          |

#### General

|                       |     |
|-----------------------|-----|
| Rated current at 40°C | 4 A |
|-----------------------|-----|

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## Technical data

### General

|                              |                               |
|------------------------------|-------------------------------|
| Rated voltage                | 24 V AC/DC                    |
| Number of positions          | 4                             |
| Contact resistance           | $\leq 5 \text{ m}\Omega$      |
| Insulation resistance        | $\geq 100 \text{ M}\Omega$    |
| Standards/regulations        | Valve connector EN 175301-803 |
| Status display               | 1 LED                         |
| Protective circuit/component | Z diode                       |
| Surge voltage category       | II                            |
| Pollution degree             | 3                             |
| Insertion/withdrawal cycles  | 50                            |
| Torque                       | 0.6 Nm (Valve connector)      |

### Material

|                                         |                   |
|-----------------------------------------|-------------------|
| Inflammability class according to UL 94 | HB                |
| 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) |

### Cable

|                                             |                                         |
|---------------------------------------------|-----------------------------------------|
| Cable type                                  | PUR/PVC, 0.75 mm <sup>2</sup> , black   |
| Cable type (abbreviation)                   | 116                                     |
| Cable abbreviation                          | LiYY11Y-HF                              |
| UL AWM style                                | 20549                                   |
| Conductor cross section                     | 4x 0.75 mm <sup>2</sup>                 |
| AWG signal line                             | 18                                      |
| Conductor structure signal line             | 24x 0.20 mm                             |
| Core diameter including insulation          | 1.7 mm $\pm 0.05 \text{ mm}$            |
| Wire colors                                 | Black 1, black 2, black 3, green/yellow |
| Overall twist                               | 4 wires, twisted                        |
| External sheath, color                      | black                                   |
| External cable diameter D                   | 6.3 mm $\pm 0.2 \text{ mm}$             |
| Smallest bending radius, fixed installation | 63 mm                                   |
| Outer sheath, material                      | PUR                                     |
| Material, inner sheath                      | PVC                                     |
| Material conductor insulation               | PVC                                     |
| Conductor material                          | Bare Cu litz wires                      |

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## Technical data

### Cable

|                                 |                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------|
| Insulation resistance           | $\geq 20 \text{ M}\Omega\cdot\text{km}$                                                        |
| Conductor resistance            | $26 \text{ }\Omega/\text{km}$ (at $20 \text{ }^{\circ}\text{C}$ )                              |
| Nominal voltage, cable          | 300 V                                                                                          |
| Test voltage, cable             | 1200 V                                                                                         |
| Flame resistance                | According to DIN VDE 0482                                                                      |
|                                 | According to DIN EN 50265-2-1                                                                  |
|                                 | In accordance with UL FT-2                                                                     |
| Ambient temperature (operation) | $-40 \text{ }^{\circ}\text{C} \dots 80 \text{ }^{\circ}\text{C}$ (cable, fixed installation)   |
|                                 | $-5 \text{ }^{\circ}\text{C} \dots 80 \text{ }^{\circ}\text{C}$ (cable, flexible installation) |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27061801 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

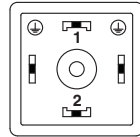
### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 31251501 |

## Drawings

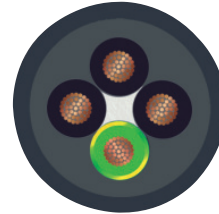
## Double valve connector cable - SAC- 5,0/0,2-116/2XA-1L-Z - 1458088

Schematic diagram



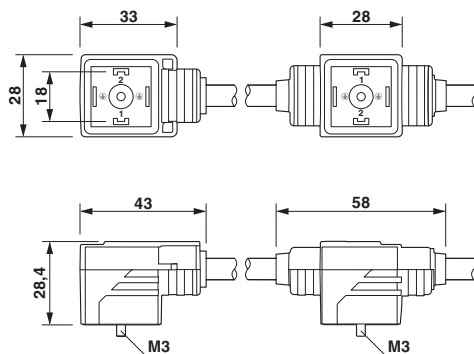
Valve connector pin assignment, type A

Cable cross section

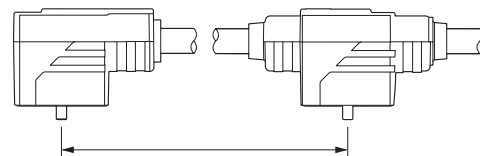


PUR/PVC black [116]

Dimensioned drawing



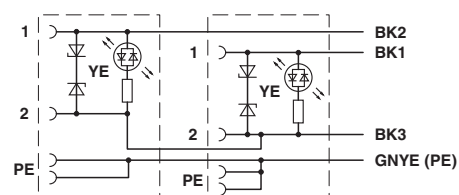
Dimensioned drawing



Valve connector spacing

Double valve connector, 2x type A

Circuit diagram



Contact assignment of the double-valve connector

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