

|                           |                            |                                                                                     |
|---------------------------|----------------------------|-------------------------------------------------------------------------------------|
| 22260584                  | <b>DATA SHEET</b>          |  |
| Valid from:<br>17.09.2018 | <b>AB-C3-2,0PUR-A-1L-S</b> |                                                                                     |

## Description

- Sensor/actuator cable with LED, PUR halogen-free
- Free wire end on valve plug A, 3-pol
- Connected with Z-diode



## General characteristics

|                                    |                                                                                                                                                           |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of pins                     | 3                                                                                                                                                         |
| Ambient temperature (operation)    | -20 to +85 °C (-4°F to 185°F) (valve plug)<br>-40 to +80 °C (-40°F to 176°F) (cable fixed installation)<br>-20 to +80 °C (-4°F to 176°F) (cable flexible) |
| Degree of protection               | IP 65 / IP 67                                                                                                                                             |
| Cable length of the free cable end | 50 mm                                                                                                                                                     |
| Central screw valve plug           | M3 x 29                                                                                                                                                   |

## Variation

| Article  | Description          | Length [m] |
|----------|----------------------|------------|
| 22260584 | AB-C3-2,0PUR-A-1L-S  | 2          |
| 22260576 | AB-C3-5,0PUR-A-1L-S  | 5          |
| 22260577 | AB-C3-10,0PUR-A-1L-S | 10         |
| 22261011 | AB-C3-15,0PUR-A-1L-S | 15         |
| 22261012 | AB-C3-20,0PUR-A-1L-S | 20         |

### Additional note

This datasheet is also valid for other length configurations. Other lengths upon request.

## Mechanical properties

### Plug

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Inflammability class according to UL 94 | V0                            |
| Contact valve plug                      | CuSn                          |
| Contact surface valve plug              | Sn                            |
| Contact insert valve plug               | PA 66                         |
| Housing valve plug                      | TPU                           |
| Seal                                    | TPU (seal injected)           |
| Tightening torque                       | 0.6 Nm (valve plug connector) |

|                                           |                                       |             |
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### Line

|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Conductor diameter including isolation | 1.5 mm ± 0.05 mm (signal line)             |
| Cable outer diameter                   | 4.5 mm ± 0.2 mm                            |
| Core identification                    | Black 1, black 2, green / yellow           |
| Sheath colour                          | Black gray RAL 7021                        |
| Bending radius                         | 50 mm                                      |
| Number of bending cycle                | 15000000                                   |
| Traveling distance                     | 0.9 m                                      |
| Travel speed                           | 5 m/s                                      |
| Acceleration                           | 30 m/s <sup>2</sup>                        |
| Outer coating, material                | PUR                                        |
| Wire insulation, material              | PP                                         |
| Flame resistance                       | Acc. DIN VDE 0482<br>Acc. DIN EN 50265-2-1 |
| Halogen-free                           | Acc. DIN VDE 0472 part 815                 |

### Electrical properties

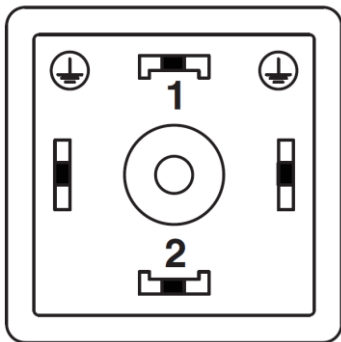
|                        |      |
|------------------------|------|
| Rated voltage          | 24 V |
| Rated current at 40 °C | 4 A  |
| Overvoltage category   | III  |
| Pollution degree       | 3    |

### Standards / Approvals

|                  |               |
|------------------|---------------|
| Valve connectors | EN 175301-803 |
|------------------|---------------|

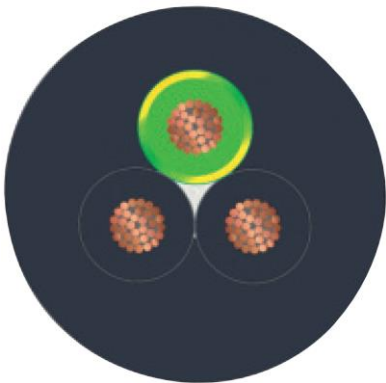
### Technical drawing

Drawing



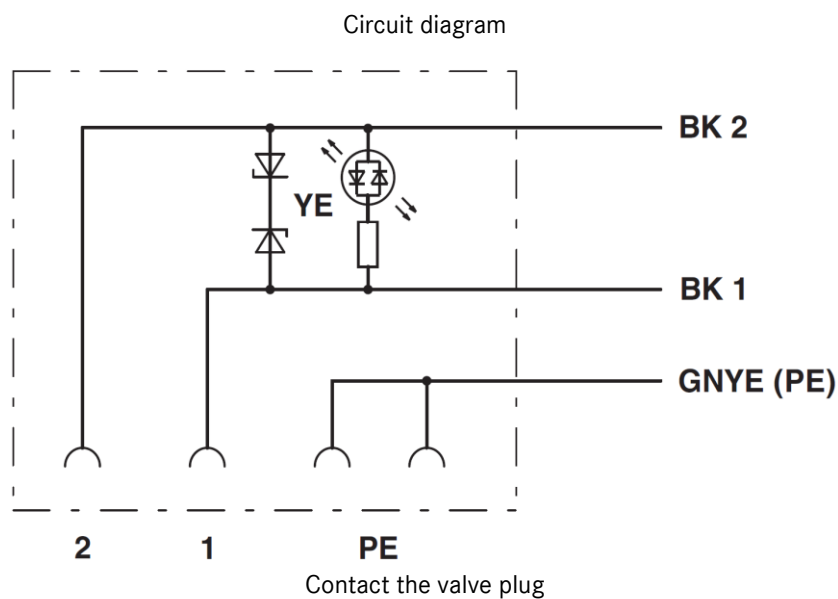
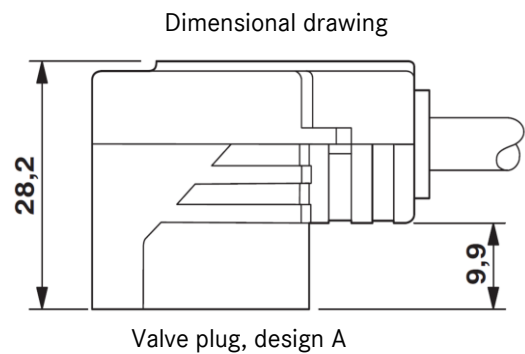
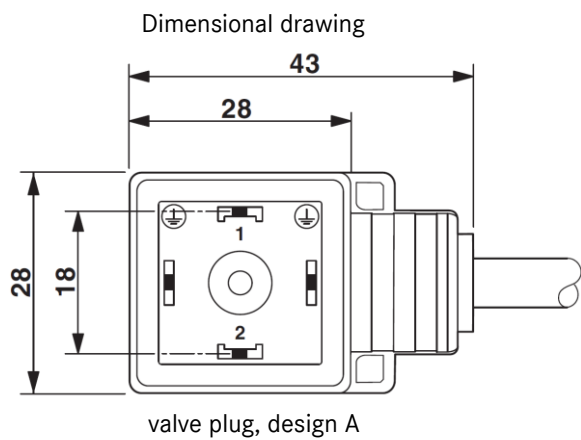
Pin assignment valve plug, design A

Wire cross section



|                                           |                                       |             |
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### Application range

Automation, industrial machinery and plant engineering

### Note

Photographs are not true to scale and do not represent detailed images of the respective products.

|                                           |                                       |             |
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