



## Valve Connector Cordset

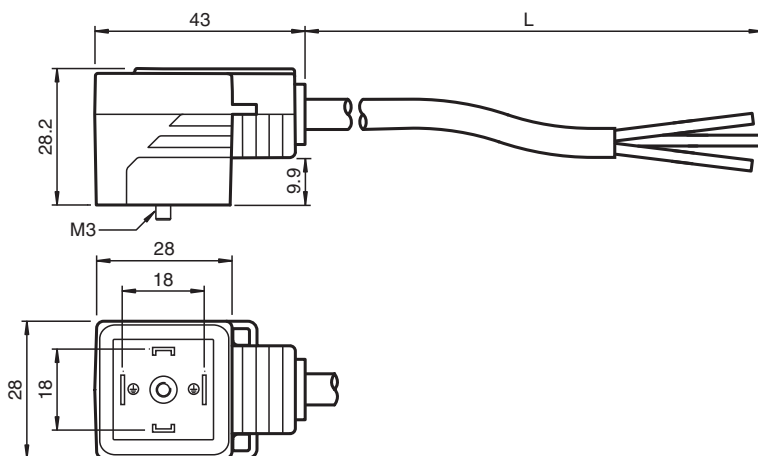
### VMA-2+P/Z2-10M-PVC

- Valve connector according EN 175301-803 A/ISO 4400
- Z diode as a protective circuit
- Built-in LED, as operating and function indicator
- Moulded seal
- freely selectable cable models due to bridged protective earth
- Flame resistant cable
- Oil resistant
- Immunity to vibration

Valve connector Form A, Z-diode LED 2-pin+PE, PVC cable black



## Dimensions



## Technical Data

### General specifications

|                   |                       |
|-------------------|-----------------------|
| Connector 1       |                       |
| Connection        | Valve connector DIN   |
| Construction type | form A                |
| Style             | angled                |
| Locking           | screw connection      |
| Number of pins    | 2 + PE                |
| Connector 2       |                       |
| Connection        | cable end             |
| Customization     | sheath stripped 50 mm |

### Indicators/operating means

|            |                   |
|------------|-------------------|
| LED yellow | Operating display |
|------------|-------------------|

### Electrical specifications

|                   |             |                 |
|-------------------|-------------|-----------------|
| Operating voltage | $U_B$       | max. 24 V AC/DC |
| Operating current | $I_B$       | max. 4 A        |
| Suppression       | Zener diode |                 |

### Conformity

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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## Technical Data

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| Degree of protection             | EN 60529                                                                                |
| Plug connection                  | Valve connector : DIN EN 175301-803                                                     |
| Flammability                     | DIN VDE 0482 , DIN EN 50265-2-1 , UL 94                                                 |
| Oil resistance                   | DIN EN 60811-2-1                                                                        |
| <b>Ambient conditions</b>        |                                                                                         |
| Ambient temperature              |                                                                                         |
| Plug connector                   | -20 ... 85 °C (-4 ... 185 °F)                                                           |
| Cable, fixed installation        | -40 ... 80 °C (-40 ... 176 °F)                                                          |
| Cable, flexing                   | -5 ... 80 °C (23 ... 176 °F)                                                            |
| Pollution degree                 | 3                                                                                       |
| <b>Mechanical specifications</b> |                                                                                         |
| Plug connector                   |                                                                                         |
| Tightening torque                | 0.6 Nm                                                                                  |
| Tool installation                | screw M3 x 29                                                                           |
| Mating cycles                    | min. 100                                                                                |
| Degree of protection             | IP65 / IP67                                                                             |
| Cable                            | according to IEC/EN 60228 (DIN VDE 0295) class 5                                        |
| Sheath diameter                  | 4.8 mm                                                                                  |
| Bending radius                   | > 10 x cable diameter, movable installation<br>> 5 x cable diameter, fixed installation |
| Sheath color                     | black (similar to RAL 9005)                                                             |
| Number of cores                  | 3                                                                                       |
| Core cross section               | 0.5 mm <sup>2</sup>                                                                     |
| Cores color                      | Core 1: black 1<br>Core 2: black 2<br>Core PE: green/yellow                             |
| Core construction                | 16 x 0.2 mm Ø                                                                           |
| Length                           | L 10 m                                                                                  |
| Cable code                       | Li YY 3 x 0,50                                                                          |
| Mass                             | 397.35 g                                                                                |
| <b>Material</b>                  |                                                                                         |
| Plug connector                   |                                                                                         |
| Body                             | TPU, black                                                                              |
| Seal                             | TPU , molded                                                                            |
| Contact surface                  | Sn                                                                                      |
| Flammability                     | V-0                                                                                     |
| Cable                            |                                                                                         |
| Sheathing                        | PVC                                                                                     |
| Cores                            | bare copper (Cu)                                                                        |
| Core insulation                  | PVC                                                                                     |
| Oil resistance                   | good                                                                                    |
| Flammability                     | V-0                                                                                     |

## Connection

