



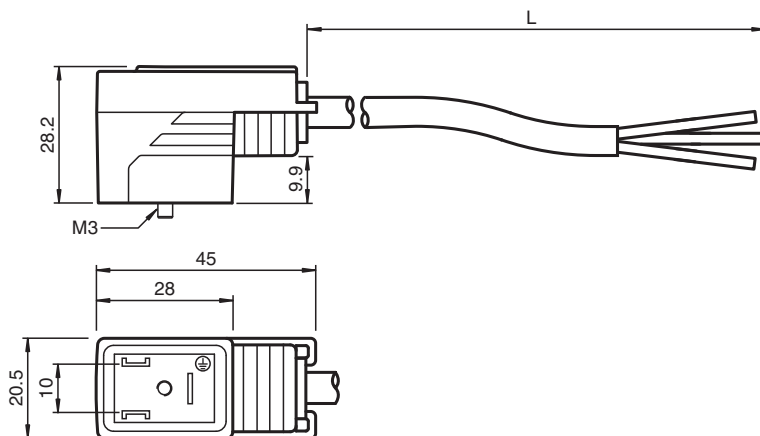
## Valve Connector Cordset VMB-2+P/Z2-10M-PUR

- 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
- Suitable for drag chains and abrasion resistant
- Flame resistant cable
- Halogen-free
- Oil resistant
- Immunity to vibration

Valve connector Form B, Z-diode LED 2-pin+PE, PUR cable black, drag chain suitable



### Dimensions



### Technical Data

#### General specifications

|                   |                       |
|-------------------|-----------------------|
| Connector 1       |                       |
| Connection        | Valve connector DIN   |
| Construction type | form B                |
| 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".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

## 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                                                 |
| Halogen-free                     |   | DIN VDE 0472-815                                                                        |
| UV resistance                    |   | DIN EN ISO 4892-2-A                                                                     |
| 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                   |   | -20 ... 80 °C (-4 ... 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                  |   | 4.5 mm                                                                                  |
| Bending radius                   |   | > 10 x cable diameter, movable installation<br>> 5 x cable diameter, fixed installation |
| Sheath color                     |   | black (similar to RAL 7021)                                                             |
| 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                |   | 28 x 0.15 mm Ø                                                                          |
| Length                           | L | 10 m                                                                                    |
| Cable code                       |   | Li 9Y 11Y 3 x 0,50                                                                      |
| Drag chain suitability           |   |                                                                                         |
| Drag chain cycles                |   | min. 15000000                                                                           |
| Motion velocity                  |   | max. 5 m/s                                                                              |
| Traverse distance                |   | 0.9 m                                                                                   |
| Acceleration                     |   | max. 30 m/s <sup>2</sup>                                                                |
| Mass                             |   | 300 g                                                                                   |
| <b>Material</b>                  |   |                                                                                         |
| Halogen-free                     |   | yes                                                                                     |
| Plug connector                   |   |                                                                                         |
| Body                             |   | TPU, black                                                                              |
| Seal                             |   | TPU , molded                                                                            |
| Contact surface                  |   | Sn                                                                                      |
| Flammability                     |   | V-0                                                                                     |
| Cable                            |   |                                                                                         |
| Sheathing                        |   | PUR                                                                                     |
| Cores                            |   | bare copper (Cu)                                                                        |
| Core insulation                  |   | PP                                                                                      |
| UV resistance                    |   | yes                                                                                     |
| Oil resistance                   |   | good                                                                                    |
| Flammability                     |   | V-0                                                                                     |

Connection

