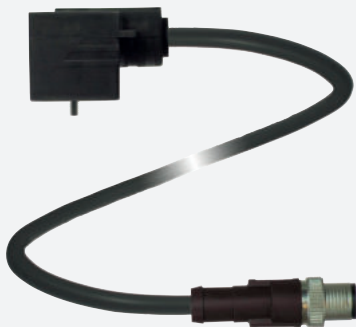




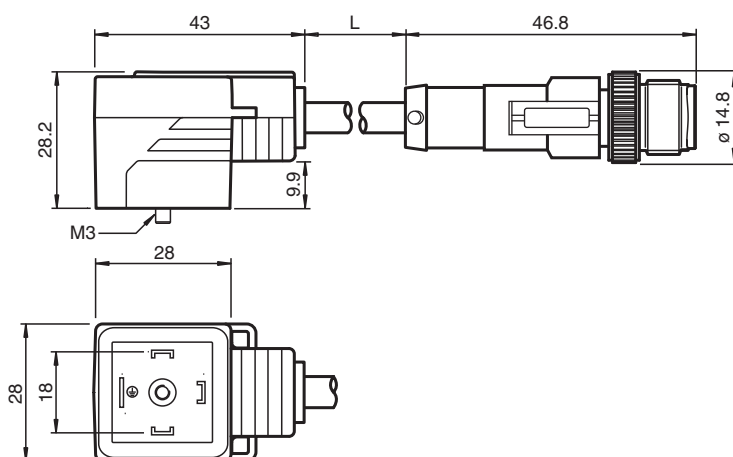
## Valve Connector Cordset VMA-3+P/L1-10M-PUR-V1-G

- Valve connector according EN 175301-803 A/ISO 4400
- Built-in LED, as operating and function indicator
- Suitable for drag chains and abrasion resistant
- Moulded seal
- Flame resistant cable
- Free of paint wetting interfering substances
- Completely halogen and silicon free
- Resistant to microbes and hydrolysis
- Oil resistant
- Immunity to vibration

Valve connector Form A, 3-pin+PE 2x LED to M12 plug straight A-coded 5-pin, PUR cable black, drag chain suitable



### Dimensions



### Technical Data

#### General specifications

|                            |                     |
|----------------------------|---------------------|
| Connector 1                |                     |
| Connection                 | Valve connector DIN |
| Construction type          | form A              |
| Style                      | angled              |
| Locking                    | screw connection    |
| Number of pins             | 3 + PE              |
| Connector 2                |                     |
| Connection                 | plug                |
| Construction type          | M12                 |
| Style                      | straight            |
| Locking                    | screw connection    |
| Number of pins             | 5                   |
| Coding                     | A-coded             |
| Indicators/operating means |                     |
| LED green                  | Operating display   |

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

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**PEPPERL+FUCHS**

## Technical Data

|                                  |                |                                                                                                         |
|----------------------------------|----------------|---------------------------------------------------------------------------------------------------------|
| LED red                          |                | Functional display                                                                                      |
| <b>Electrical specifications</b> |                |                                                                                                         |
| Operating voltage                | U <sub>B</sub> | 24 V AC/DC                                                                                              |
| Operating current                | I <sub>B</sub> | max. 4 A                                                                                                |
| <b>Conformity</b>                |                |                                                                                                         |
| Degree of protection             |                | EN 60529                                                                                                |
| Plug connection                  |                | Valve connector : DIN EN 175301-803<br>connector M12 x 1 : IEC 61076-2-101                              |
| Flammability                     |                | 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              |                |                                                                                                         |
| Connector 1                      |                | -20 ... 85 °C (-4 ... 185 °F)                                                                           |
| Connector 2                      |                | -25 ... 90 °C (-13 ... 194 °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> |                |                                                                                                         |
| Connector 1                      |                |                                                                                                         |
| Tightening torque                |                | 0.6 Nm                                                                                                  |
| Tool installation                |                | screw M3 x 29                                                                                           |
| Mating cycles                    |                | min. 100                                                                                                |
| Connector 2                      |                |                                                                                                         |
| Tightening torque                |                | 0.6 Nm                                                                                                  |
| Tool installation                |                | straight knurling                                                                                       |
| Mating cycles                    |                | min. 100                                                                                                |
| Degree of protection             |                | IP65 / IP67                                                                                             |
| Cable                            |                | according to IEC/EN 60228 (DIN VDE 0295) class 5                                                        |
| Sheath diameter                  |                | 5.3 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                  |                | 5                                                                                                       |
| Core cross section               |                | 0.5 mm <sup>2</sup>                                                                                     |
| Cores color                      |                | Core 1-1: black<br>Core 2-2: black<br>Core 3-4: black<br>Core 2-3/3-3: black<br>Core PE-5: green/yellow |
| Core construction                |                | 28 x 0.15 mm Ø                                                                                          |
| Length                           | L              | 10 m                                                                                                    |
| Cable code                       |                | Li 9Y 11Y 5 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                             |                | 461 g                                                                                                   |
| <b>Material</b>                  |                |                                                                                                         |
| PWIS free                        |                | yes                                                                                                     |
| Halogen-free                     |                | yes                                                                                                     |
| Connector 1                      |                |                                                                                                         |
| Body                             |                | TPU, black                                                                                              |

Technical Data

|                       |                             |
|-----------------------|-----------------------------|
| Seal                  | TPU , molded                |
| Contact surface       | Sn                          |
| Flammability          | V-0                         |
| Connector 2           |                             |
| Screw connection      | Zinc diecast, nickel-plated |
| Body                  | TPU, black                  |
| Contact surface       | Ni/Au                       |
| Flammability          | HB                          |
| Cable                 |                             |
| Sheathing             | PUR                         |
| Cores                 | bare copper (Cu)            |
| Core insulation       | PP                          |
| UV resistance         | yes                         |
| Chemical resistance   | good                        |
| Oil resistance        | good                        |
| Microbial resistance  | yes                         |
| Hydrolysis resistance | yes                         |
| Flammability          | V-0                         |

Connection

