

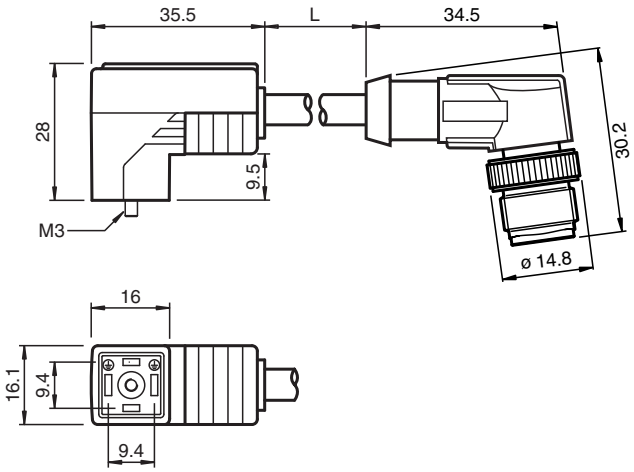
# Valve Connector Cordset

## VMCI-2+P/Z2-1M-PUR-V1-W

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

Valve connector Form C (Ind), Z-diode LED 2-pin+PE to M12 plug angled A-coded 3-pin, PUR cable black, drag chain suitable

## Dimensions




## Technical Data

| | | |
|---|---|---|
| **General specifications** | | |
| Connector 1 | | |
| Connection | | Valve connector industrial version |
| Construction type | | form C (Ind) |
| Style | | angled |
| Locking | | screw connection |
| Number of pins | | 2 + PE |
| Connector 2 | | |
| Connection | | plug |
| Construction type | | M12 |
| Style | | angled |
| Locking | | screw connection |
| Number of pins | | 3 |
| Coding | | A-coded |
| **Indicators/operating means** | | |
| LED yellow | | Operating display |

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## Technical Data

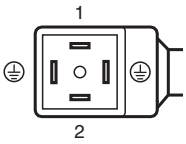
| | | |
|---|---|---|
| **Electrical specifications** | | |
| Operating voltage | $U_B$ | 24 V AC/DC |
| Operating current | $I_B$ | max. 4 A |
| Suppression | | Zener diode |
| **Conformity** | | |
| Degree of protection | | EN 60529 |
| Plug connection | | Valve connector : on the basis of DIN EN 175301-803<br>connector M12 x 1 : IEC 61076-2-101 |
| 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 |
| **Ambient conditions** | | |
| 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 |
| **Mechanical specifications** | | |
| 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 | | 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 $mm^2$ |
| Cores color | | Core 1-4: black<br>Core 2-3: black<br>Core PE-5: green/yellow |
| Core construction | | 28 x 0.15 mm Ø |
| Length | L | 1 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 $m/s^2$ |
| Mass | | 56 g |
| **Material** | | |
| Halogen-free | | yes |
| Connector 1 | | |
| Body | | TPU, black |
| Seal | | TPU , molded |
| Contact surface | | Sn |

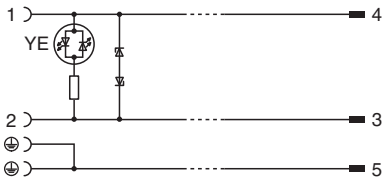
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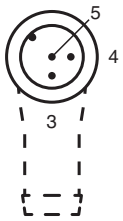
## Technical Data

| | | |
|---|---|---|
| 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 |
| Oil resistance | | good |
| Flammability | | V-0 |

## Connection




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