



### Model Number

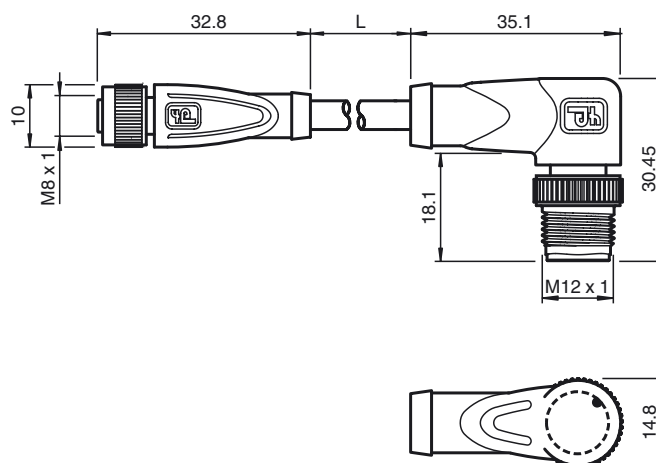
#### V3-GM-E2-OR2M-POC-V11-W

Cordset M8 socket to M12 plug A-coded, LED 3-pin, TPE cable welding-bead resistant orange

### Features

- Built-in LED, as operating and function indicator
- Resistant to welding bead formation
- Suitable for robotic applications / torsion resistant
- Does not give off silicone
- Ozone resistant
- Hydrolysis resistant
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69

### Dimensions



### Technical data

#### General specifications

|                     |                |
|---------------------|----------------|
| Number of pins      | 3              |
| Connection 1        | socket         |
| Construction type 1 | straight       |
| Threading 1         | M8             |
| Coding 1            | A-coded        |
| Connection 2        | Male connector |
| Construction type 2 | right angle    |
| Threading 2         | M12            |
| Coding 2            | A-coded        |

#### Indicators/operating means

|            |                       |
|------------|-----------------------|
| LED green  | Operating display     |
| LED yellow | Functional display NO |

#### Electrical specifications

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 24 V DC $\pm$ 15% |
| Operating current | $I_B$ | max. 3 A               |

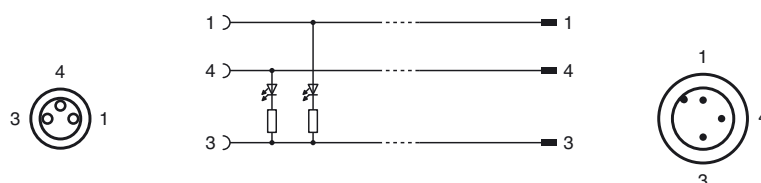
#### Ambient conditions

|                     |                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>Cable, flexing:<br>-15 ... 120 °C (5 ... 248 °F) for 20000 h<br>-15 ... 150 °C (5 ... 302 °F) for 3000 h<br>cable, fixed:<br>-40 ... 120 °C (-40 ... 248 °F) for 20000 h<br>-40 ... 150 °C (-40 ... 302 °F) for 3000 h |
| Pollution degree    | 3                                                                                                                                                                                                                                                              |

#### Mechanical specifications

|                      |                                                               |
|----------------------|---------------------------------------------------------------|
| Contact elements     | spring-loaded contact socket                                  |
| Degree of protection | IP67 / IP68 / IP69                                            |
| Cable code           | Li 7Y-41X 4 x 0.34                                            |
| Material             |                                                               |
| Contacts             | CuZn                                                          |
| Contact surface      | Au                                                            |
| Body                 | TPU, transparent<br>TPU, black                                |
| Cable                | TPE resistant to welding bead formation                       |
| Slotted nut          | Diecast zinc                                                  |
| Sleeve connector     | Diecast zinc                                                  |
| Core insulation      | ETFE                                                          |
| Cable                | according to IEC/EN 60228 (DIN VDE 0295) class 5              |
| Sheath diameter      | 4.8 mm                                                        |
| Bending radius       | > 10 x cable diameter, moving<br>> 10 x cable diameter, fixed |
| Color                | orange                                                        |
| Number of cores      | 3                                                             |
| Core cross-section   | 0.34 mm <sup>2</sup>                                          |

### Electrical connection





|                                                 |                                                                           |
|-------------------------------------------------|---------------------------------------------------------------------------|
| Cores color                                     | Core 1: brown<br>Core 3: blue<br>Core 4: black                            |
| Conductor construction                          | 19 x 0.16 mm Ø                                                            |
| Length                                          | L 2 m                                                                     |
| Flammability                                    |                                                                           |
| Contact carrier                                 | HB                                                                        |
| Housing                                         | V-2                                                                       |
| Cable                                           | flame-resistant                                                           |
| <b>Compliance with standards and directives</b> |                                                                           |
| Standard conformity                             |                                                                           |
| Degree of protection                            | EN 60529                                                                  |
| Flammability                                    | IEC 60332-1-2<br>Flame-retardant as per ISO 14572 and ISO 6722            |
| Halogen-free                                    | IEC 60754-2                                                               |
| Specification                                   | connector M12 x 1 : IEC 61076-2-101<br>connector M8 x 1 : IEC 61076-2-104 |

Release date: 2020-03-04 13:40 Date of issue: 2020-03-04 291173\_eng.xml