

Sensor-actuator cable



Field-attachable connectors



**Features**

- Knurled nut suitable for tool mounting
- Mechanical detent for vibration protection
- Gold-plated and machined contacts
- Degree of protection: IP67 / IP68 / IP69K

Junction blocks

Sensor-actuator splitters

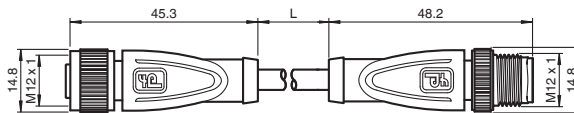
Sensor-actuator receptacles

Data connectors

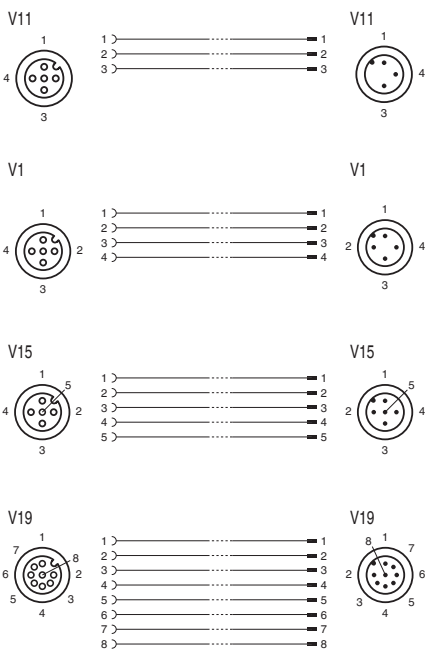
**Technical data**

|   |  |   |                 |                 |
|---|--|---|-----------------|-----------------|
| Number of pins                                  | 3  | 4 | 5               | 8               |
| <b>Electrical data</b>                          |  |   |                 |                 |
| Operating voltage $U_B$                         | Max. 250 V AC/DC   |   | Max. 60 V AC/DC | Max. 30 V AC/DC |
| Testing voltage                                 | > 1500 V <sub>eff</sub> AC   |   |                 |                 |
| Operating current                               | Max. 4 A   |   |                 | Max. 2 A        |
| Volume resistance                               | < 5 mΩ   |   |                 |                 |
| <b>Ambient conditions</b>                       |  |   |                 |                 |
| Ambient temperature                             | -40 ... 90 °C for body<br>Information on cable quality can be found beginning on page 10 |   |                 |                 |
| Degree of pollution                             | 3  |   |                 |                 |
| <b>Mechanical data</b>                          |  |   |                 |                 |
| Contact elements                                | Spring-loaded contact sockets  |   |                 |                 |
| Pin diameter                                    | 1 mm   |   |                 |                 |
| Degree of protection                            | IP67 / IP68 / IP69K  |   |                 |                 |
| <b>Materials</b>                                |  |   |                 |                 |
| Contacts  | CuSn / Au  |   |                 |                 |
| Contact surface                                 | Au   |   |                 |                 |
| Body  | TPU, black   |   |                 |                 |
| Coupling nut                                    | Die-cast zinc  |   |                 |                 |
| Push-on sleeve                                  | Die-cast zinc  |   |                 |                 |
| <b>Approvals and certificates of compliance</b> |  |   |                 |                 |
| UL file number                                  | E231213<br>The use of UL-approved cable is a prerequisite for UL approval.               |   |                 |                 |

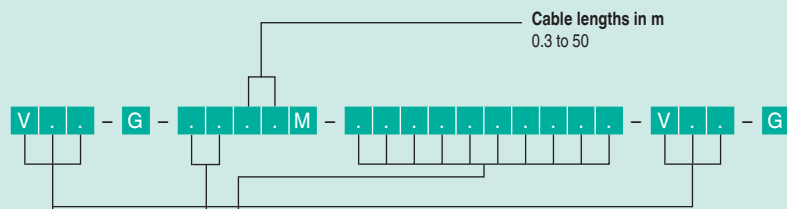
**Dimensions**



**Electrical connection**



**Order codes**



- Cable quality**
- PVC PVC-U PVC, UL-approved, black (0.34 mm<sup>2</sup>)
  - YE PVC-U PVC, UL-approved, yellow (0.34 mm<sup>2</sup>)
  - PUR PUR, halogen-free, gray (0.34 mm<sup>2</sup>)
  - BK PUR-U PUR, halogen-free, UL-approved, black (0.34 mm<sup>2</sup>)
  - YE PUR-U PUR, halogen-free, UL-approved, yellow (0.34 mm<sup>2</sup>)
  - BK PUR-U PUR, halogen-free, UL-approved, black (0.25 mm<sup>2</sup>)
  - BK PUR-U/0.75 PUR, halogen-free, UL-approved, black (0.75 mm<sup>2</sup>)
  - PUR H/S PUR, halogen-free, irradiated, orange (0.34 mm<sup>2</sup>)
  - OR POC POC, weld-spatter resistant, orange (0.34 mm<sup>2</sup>)

|   | V11 | V1 | V15 | V19 |
|---|-----|----|-----|-----|
| ○ | ○   | ○  | ○   | -   |
| ○ | ○   | ○  | -   | -   |
| ○ | ○   | -  | -   | -   |
| ● | ●   | ●  | -   | -   |
| ○ | ○   | -  | -   | -   |
| ○ | ○   | -  | -   | -   |
| - | -   | -  | ●   | -   |
| - | -   | ○  | -   | -   |
| - | ○   | -  | -   | -   |
| - | ○   | -  | -   | -   |

- Number of pins**
- V11 3-pin
  - V1 4-pin
  - V15 5-pin
  - V19 8-pin