

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

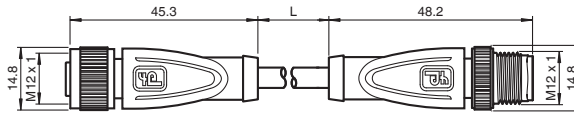
Sensor-actuator receptacles

Data connectors

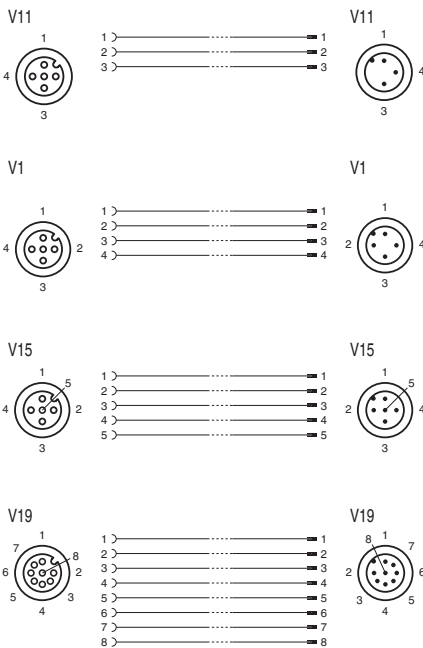
**Technical data**

|   |  |   |                 |                 |
|---|--|---|-----------------|-----------------|
| 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 lengths in m  
0.3 to 50

V . . . - G - . . . . M - . . . . . - V . . . - G

|               |  |     |    |     |     |
|---------------|--|-----|----|-----|-----|
| - PVC         | PVC, gray (0.34 mm <sup>2</sup> )                              | V11 | V1 | V15 | V19 |
| BK 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> )    | -   | ○  | -   | -   |

● Standard, cable lengths of 0.6 m, 1 m and 2 m available in stock  
○ Available, minimum order quantity applies in some cases  
- Not available

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