



### Model Number

**V1-G-Q3**

Field-attachable female QUICKON-ONE connector

### Features

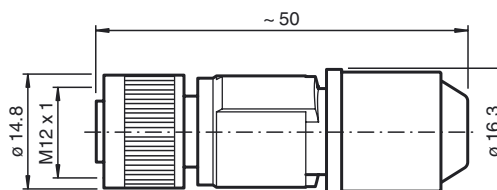
- Time-saving assembly with QUICKON-ONE technique

### Function

It normally takes a lot of time to connect freely configurable M12 round connectors to the sensor cable. QUICKON can reduce this time to a minimum; the individual wire conductors do not have to be stripped anymore. For contacting, a blade contact cuts through the conductor insulation and applies contact to the wire strands. This contact is spring-loaded, vibration-proof and gas-tight.

The QUICKON M12 connector is available as a female or male 4-pin straight plug. In this way, individual sensor-actuator cables with several wires can be put together quickly and economically.

### Dimensions



### Technical data

#### General specifications

|                |   |
|----------------|---|
| Number of pins | 4 |
|----------------|---|

#### Electrical specifications

|                   |       |                |
|-------------------|-------|----------------|
| Operating voltage | $U_B$ | max. 125 V     |
| Operating current | $I_B$ | max. 4 A       |
| Volume resistance |       | < 5 m $\Omega$ |

#### Ambient conditions

|                     |                                |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 80 °C (-13 ... 176 °F) |
| Pollution Degree    | 3                              |

#### Mechanical specifications

|                      |  |
|----------------------|--|
| Degree of protection | IP65/IP67  |
| Connection           | 4-pin, M12 x 1 socket  |
| Material             |  |
| Contacts             | CuSn   |
| Contact surface      | Ni/Au  |
| Body                 | PA 66, black   |
| Slotted nut          | plastic  |
| Seal                 | NBR  |
| Core insulation      | PVC/PE/PP  |
| Cable                |  |
| Sheath diameter      | 3.5 ... 6 mm   |
| Cores                | $\varnothing$ 0.7 ... 1.6 mm incl. insulation<br>Cross-section: 0.14 ... 0.34 mm <sup>2</sup><br>Cable construction: Class 2-6 in accordance with VDE 0295 |
| Mounting             | Max. tightening torque on the coupling nut: $\leq$ 0.8 Nm  |
| Flammability         | 94 V-0   |
| Note                 | max. 10 connections possible to a cable of the same cross-section. After repeated cable connection it may be necessary to renew the seal and cap.          |

### Electrical connection

