



Model Number

V1-G-Q3

Field-attachable female QUICKON-ONE connector

Features

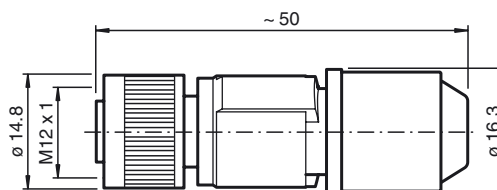
- Time-saving assembly with QUICKON-ONE technique

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
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Electrical specifications

Operating voltage	U_B	max. 125 V
Operating current	I_B	max. 4 A
Volume resistance		< 5 m Ω

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 Cross-section: 0.14 ... 0.34 mm ² 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

