

Model Number

V1S-G-Q3

Field-attachable male QUICKON-ONE connector

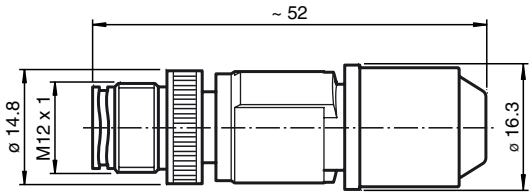
Features

- 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.

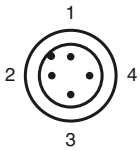
Dimensions



Technical data

General specifications		
Number of pins		4
Connection 1		Male connector
Construction type 1		straight
Threading 1		M12
UL File Number		E191152
Electrical specifications		
Operating voltage	U_B	max. 125 V
Operating current	I_B	max. 4 A
Volume resistance		< 5 mΩ
Ambient conditions		
Ambient temperature		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Degree of protection		IP65/IP67
Material		
Contacts		CuSn
Contact surface		Ni/Au
Body		PA 66, black
Sleeve connector		plastic
Seal		NBR
Core insulation		PVC/PE/PP
Cable		
Sheath diameter		3.5 ... 6 mm
Cores		Ø 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: ≤ 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



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