



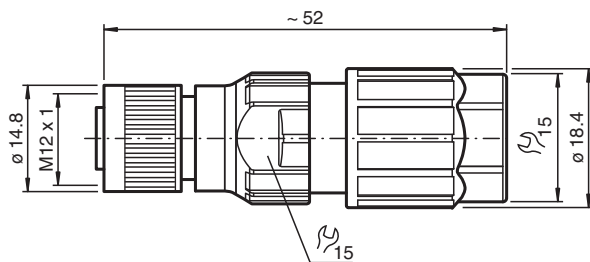
Female connector, field-attachable V1-G-Q2

- Insulation displacement connection
- Metal locking
- Knurled nut suitable for tool assembly
- cURus approval

Female connector M12 straight A-coded 4-pin, for cable diameter 4 - 8 mm, field-attachable, insulation displacement connection



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		A-coded

Electrical specifications

Operating voltage	U_B	max. 250 V AC/DC
Operating current	I_B	max. 4 A
Volume resistance		< 5 m Ω
Insulation resistance		min. 100 M Ω

Conformity

Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101

Approvals and certificates

UL File Number		E191152
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Ambient conditions

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

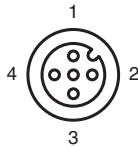
Mechanical specifications

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Technical Data

Plug connector		
Tightening torque		0.4 Nm
Tool installation		straight knurling
Mating cycles		min. 100
Degree of protection		IP65 / IP67
Connection		Insulation displacement connection for 0.34 ... 0.75 mm ² / AWG 22 ... AWG 18
Cable		
Sheath diameter		4 ... 8 mm
Cores		Ø 1.3 ... 2.6 mm incl. insulation Cross-section: 0.34 ... 0.75 mm ² Cable construction: Class 2-6 in accordance with VDE 0295
Core cross section		0.75 mm ² / 18 AWG max.
Mass		14.9 g
Mounting		max. tightening torque on the coupling nut: ≤ 1.5 Nm
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.
Material		
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		PA 66, black
Seal		NBR
Contact surface		Ni/Au
Flammability		V-0
Cable		
Core insulation		PVC/PE/PP

Connection Assignment



Connection

