



# ecolink M12, the safe connection even in ATEX applications.



For applications in hazardous areas ATEX cat. 2D, 3D and 3G.

- ▲ Connection technology complies with the M12 standard (EN 61076).
- ▲ With EC type examination certificate for components from DEKRA EXAM.
- ▲ The mechanical end stop protects the O-ring against destruction.
- ▲ Nut secured against shock and vibration due to saw tooth contoured vibration protection.



## ecolink M12 for demanding ATEX applications

To avoid the risk of explosion products used in hazardous areas are subject to strict requirements.

ifm connectors of the ecolink series comply with these strict standard requirements and may be used in ATEX areas of the categories 2D, 3D and 3G.

An approval body responsible for Germany, DEKRA EXAM, has type-tested and certified the connectors. The ATEX component certificate is valid in all EU countries.

To comply with the ATEX requirements the nut of the connector has to be tightly screwed to the sensor so that it is no longer possible to open it manually. Observe the recommended tightening torques of 1.2...1.5 Nm!



ecolink – a new dimension in connection technology.

fluid sensors and diagnostic systems

position sensors and object recognition

bus, identification and control systems

**Applications:** Factory automation, machine tool industry, construction of machinery, hydraulics, conveying, mills and silos

**Technical data:**

- Operating voltage: 60 V AC / 60 V DC
- Nominal current: 2 A
- Protection: IP 67  
in locked condition with the matching counterpart.
- Tightening torque of the nut: 1.2...1.5 Nm
- Ambient temperature: -20...60 °C
- Vibration / shock: 750 g, 1 million cycles
- Cable characteristics: drag chain > 5 million cycles

**Materials:**

- Housing / moulded body: TPU
- Contact carrier: GRIVORY GV-GH
- Coupling nut: high-grade stainless steel (316S12)
- Contacts: gold-plated
- Sealing ring: Viton
- Cable: PUR, halogen-free, silicone-free, 4 x 0.34 mm<sup>2</sup>, Ø 4.9 mm

**Approvals:**

- EC type examination certificate for components from DEKRA EXAM
- IECEX BVS 08.0041 U
- BVS 08 ATEX E 109 U
- Marking:  
II 3G Ex nA II Ta: -20...60 °C  
II 2D Ex tD A21 IP67



Type	Description	Order no. NEW
<b>Sockets M12, 4-pole</b>		
	2 m	EVC04A
	5 m	EVC05A
	10 m	EVC06A
<b>Jumper M12, 4-polig</b>		
	0.3 m	EVC09A
	0.6 m	EVC10A
	1 m	EVC11A
	2 m	EVC07A
	5 m	EVC12A
	10 m	EVC13A

**Dimensions**

