



2QEX with connector



2QEX with cable



Installation guide

This Installation Guide is valid only for encoder types 2QEX with connector and cable gland



For your safety please read this guide carefully.

Failure to follow the instructions in this guide will render **ALL** certifications **INVALID**.

Installation

Installation of the encoder must be completed by a skilled technician or engineer. Failure to comply with the instructions below will render all certifications **INVALID**. The encoder may **not** be modified by the customer.

1. Insure that power is off.
2. Connect to earth prior to proceeding. Observe precautions for handling **ESD** (ElectroStatic Discharge) sensitive devices.
3. Material of fasteners is class A2-70, minimum yield stress of 450 MPa.
4. Precautions must be taken to avoid dust from forming layers on the encoder.
5. It is strongly recommended that the original packaging be used for any additional shipping or transport.

Caution

- **DO NOT** connect encoder when power is on.
- **DO NOT** connect output wires to supply voltage.
- **DO NOT** open when a flammable atmosphere may be present.
- **DO NOT** strike encoder with hammer or any other heavy object.
- If encoder is mounted to electrical machinery with high current or high voltage on the shaft, precautions must be taken for galvanic separation.
- Maintenance is not necessary. Any required maintenance or repair is to be done **only** by the manufacturer.
- To minimize the risk from electrostatic discharge - clean only with a damp cloth.

Marking:



II 3 G Ex nA IIC T4 Gc
II 3 D Ex tb IIIC Tmax100°C Dc
Ambient temperature range: – 40°C to +70°C
Ambient temperature range: – 40°C to +60°C (for encoders with Rota connector)

Certification numbers:

ITS08ATEX42972 X
IECEX ITS 15.0035 X

See certifications at www.scancon.dk

The encoder complies with the following standards:

ATEX

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| EN 60079-0:2012 | Explosive atmospheres - Part 0: Equipment - General requirements |
| EN 60079-15:2010 | Explosive atmospheres - Part 15: Equipment protection by type of protection "n" |
| EN 60079-31:2014 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" |

IECEX

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| IEC 60079-0:2011 | Explosive atmospheres - Part 0: General requirements |
| IEC 60079-15:2010-04 | Explosive atmospheres - Part 15: Equipment protection by type of protection "n" |
| IEC 60079-31:20014 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't' |