



This installation manual is valid for encoder type 2REXI only.



For your safety please read carefully.  
Follow this manual carefully, otherwise  
The ATEX/IECEX-certification will be repealed.

Electronic information will be delivered  
together with each product.

1) Marking:



0044



II 2 GD

Ex db IIB T5 Gb

Ex tb IIIB T100°C Db IP 64/65/66/67

Ambient temperatures are -40°C to 70°C

2) Certifications numbers:

TÜV 10 ATEX 556306X

IECEX TUN 10.0011X

See certification on [www.scancon.dk](http://www.scancon.dk)

3) The encoder comply with following standards:

IEC 60079-0 : 2007

Explosive atmospheres - Part 0:Equipment – General requirements


IEC 60079-1 : 2007

Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

IEC 60079-31 : 2008

Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

- 4) Installation must be handled by skilled personnel only.
- 5) Observe precaution for handling of electrostatic sensitive devices.
- 6) Installation with power off, - ONLY.

- 7) Connect to earth first- 
- 8) Connect circuit GND.
- 9) DO NOT slam with hammer or use any unnecessary violence.
- 10) NO modifications allowed.
- 11) Do not connect outputs to supply voltage - circuits can be damaged.
- 12) If device is mounted to electric machinery with high current or voltage on the shaft, precautions have to be taken for galvanic separation.
- 13) Maintenance not necessary (lifetime lubricated ball bearings).
- 14) Maintenance, overhaul, and repair only by manufacturer.
- 15) It is strongly recommended to use the original package during transport.
- 16) Shielded cable allowed ONLY.
- 17) For ambient temperatures below -10°C and above +60°C use field wiring suitable for both minimum and maximum ambient temperature.
- 18) Be aware of National Wiring Standards for ATEX environments.
- 19) Only suitably Ex certified cable glands and/or blind plugs may be used to fulfil EN/IEC 60079-1 (Ex d) requirements.
- 20) Threads of cable entry are in two sizes: ½" NPT or M20x1,5.
- 21) Safety fasteners shall have a minimum yield stress of 450 MPa, class A2-70 or A4-70.
- 22) Precautions must be taken to avoid dust from forming layers on the encoder.