

EU-Type Examination Certificate



1. **EU-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**
3. **EU-Type Examination Certificate Number: ITS09ATEX16850X Issue 06**
4. **Product:** Incremental Encoder type SCA86XM, SCH86BXM & SCH86FXM
5. **Manufacturer:** Scancon Encoders A/S
6. **Address:** Huginsvej 8, DK-3400, Hilleroed, Denmark
7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report 103054906CHE-001 dated September 2017.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012+A11:2013, EN 60079-1:2014 and EN 60079-31:2014 except in respect of those requirements referred to at item 16 of the Schedule.
10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Safe Use specified in the Schedule to this certificate.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
12. The marking of the product shall include the following:



I M2 & II 2 GD
Ex db I Mb
Ex db IIC T5 Gb
Ex tb IIIC T100°C Db
-40°C<Tamb<+70 °C

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P Moss
Certification Officer
02 October 2017



SCHEDULE

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16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report 103054906CHE-001 dated September 2017.

17. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
*Certification drawing – Housing SC86EX Ex dwg	00132575C	5	06-07-2017
*Certification drawing – End Cap SC86EX Ex dwg	00132576C	4	06-07-2017
*Certification drawing – Cap SC86EX Ex dwg	00132820C	4	06-07-2017
*Certification drawing – Cover SC86EX Ex dwg	00132819C	5	06-07-2017
*Certification drawing – hollow shaft SC86EX EX dwg	00132577C	4	06-07-2017
*Certification drawing – Shaft SC86EX EX dwg	00132578C	4	06-07-2017
*Internal/external earthing SC86EX-XM	00132829C	3	06-07-2017
Encoder type SC86EX, SC86XM “k” calculation Ex-dwg	00132813A	2	05.05.2015
Encoder type SC86EX, SC86XM “m” calculation Ex-dwg	00132813B	2	05.05.2015
Encoder type SC86EX, SC86XM “k” calculation Ex-dwg	00132814A	2	05.05.2015
Encoder type SC86EX, SC86XM “m” calculation Ex-dwg	00132814B	2	05.05.2015
SC86EX-SC86XM Wall Thickness, vol, screws	00132827	2	06-01-2014
Allen screw M4x12 ISO4762 A2-70	07130059	3	18-10-2012
*Allen screw M4x12 ISO4762 A4-80	07130094	3	17-05-2017
*Allen screw M4x16 ISO4762 A4-80	07130086	5	06-07-2017
Ring Cable Shoe Yellow – M4	06300054	1	09-07-2013
*Warning Label, Label for mining and surface Ex-dwg.	00142898	7	17.05.2017
*SC86XM ordering code mining Ex-dwg.	00142586	4	06.07.2017
*SC86XM Label for mining and surface Ex-dwg.	00142587	7	06.07.2017
*Type SC86XM Installation Guide	00240738	1	06 July 2017
*Certification drawing – SC86XM-FO (mining)	90230786C	1	19-09-2017

*Note: An * is included before the title of documents that are new or revised.*

