

(1) **EU-Type Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



(3) **Certificate Number** TÜV 09 ATEX 555513 X **issue:** 01

(4) for the product: Electronic pulse generator type 01-09

(5) of the manufacturer: Eltomatic A/S

(6) Address: Fabriksvej 6  
9490 Pandrup  
Denmark

Order number: 8003015882

Date of issue: 2020-05-25

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, certifies that this 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 the confidential ATEX Assessment Report No. 20 203 266988.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018**                      **EN 60079-1:2014**

except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions for 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 equipment. These are not covered by this certificate.

(12) The marking of the product shall include the following:

 **II 2 G Ex db IIB T6 Gb**

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body



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(13) **SCHEDULE**

(14) **EU-Type Examination Certificate No. TÜV 09 ATEX 555513 X issue 01**

(15) Description of product

The electronics of the pulse generator is installed in a flameproof enclosure with a view to being mounted directly on the corresponding gearbox. The counter disc built-in into the enclosure, with a corresponding optical tracking, is activated from the gearbox by a leading-in shaft. The connection cable mounted by the manufacturer is lead into the enclosure through a cemented stopping box, which is a part of the enclosure.

Technical data

Permitted range of the ambient temperature	- 30 °C to +60 °C
Maximum rated voltage	4.5 VDC to 32 VDC
Maximum rated current	60 mA
Maximum rotation speed	1000 RPM
Pulses per revolution	1 to 500

(16) Drawings and documents are listed in the ATEX Assessment Report No. 20 203 266988.

(17) Specific Conditions for Use

1. Permitted range of the ambient temperature: -30 °C to +60 °C.
2. The encoder is constructed with a permanently connected unterminated cable, which must be connected in a safe area or a suitable certified junction box in accordance with the Directive 2014/34/EU or the IECEx System.
3. It is a condition of certification that the flame paths have to comply with the manufacturers drawings and can only be repaired by the manufacturer.
4. The M4 screws have the property class 8.8.

(18) Essential Health and Safety Requirements

no additional ones

- End of Certificate -