



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx TUN 10.0006X issue No.: 1

Certificate history:  
Issue No. 1 (2017-2-28)  
Issue No. 0 (2010-12-15)

Status: **Current**

Date of Issue: **2017-02-28** Page 1 of 4

Applicant: **Eltomatic A/S**  
Fabriksvej 6  
9490 Pandrup  
Denmark

Equipment: **Incremental Encoder type ME 01-03**  
Optional accessory:


Type of Protection: **Encapsulation "mb"**

Marking: Ex mb IIB T6 Gb

Approved for issue on behalf of the IECEx Certification Body: Andreas Meyer

Position: Head of IECEx CB

Signature:  
(for printed version)

  
2017-02-28

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:





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Page 2 of 4

Manufacturer: **Eltomatic A/S**  
Fabriksvej 6  
9490 Pandrup  
Denmark

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

**IEC 60079-0 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition: 6.0

**IEC 60079-18 : 2009** Explosive atmospheres Part 18: Equipment protection by encapsulation "m"  
Edition: 3

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:  
[DE/TUN/ExTR10.0029/00](#)

[DE/TUN/ExTR10.0029/01](#)

Quality Assessment Report:

[DE/TUN/QAR10.0001/03](#)



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Issue No.: 1

Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Incremental Encoder Type ME 01-03  
Maximum supply voaltege: 5.5 V / max Current 12 mA

### SPECIFIC CONDITIONS OF USE: YES as shown below:

- Cable must be connected in safe area or in a suitable Junction Box e.g. certified by the IECEx scheme.
- The 5.5 VDC input voltage shall be supplied through a safety-isolated transformer according to IEC 61558-1 and the max. fuse rating shall be 250 mA.
- Cable screen must be properly connected to ground.
- Ambient temperature rating is: -30 °C to +60 °C.



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Certificate No.: IECEx TUN 10.0006X

Date of Issue: 2017-02-28

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Page 4 of 4

## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Update of the IEC 60079-0 to the current version  
Change of the type label design