



# [1] EU-TYPE EXAMINATION CERTIFICATE

## [2] Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU – Annex III – MODULE B: EU-TYPE EXAMINATION

[3] EU-type Examination Certificate number: **IMQ 14 ATEX 001**

[4] PRODUCT: **NAMUR inductive proximity sensors**

TYPE/SERIES: **Ex IS M\*\*b \*ABBAB N 1GD\***

[5] MANUFACTURER: **Steute Technologies GmbH & Co. KG**

[6] ADDRESS: **Brückenstr. 91 – D-32584 Löhne**

[7] This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents therein referred to.

[8] IMQ, notified body N° 0051, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 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 equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in Report No.: **AT22-0083539-01**

[9] Compliance with Essential Health and Safety Requirements, except in respect of those listed at item 18 of the annex, has been assured by compliance with:

**EN IEC 60079-0:2018 ; EN 60079-11:2012**

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for 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 equipment or protective system shall include the following:

 **II 1G Ex ia IIB/IIC T6 Ga**  
**II 1D Ex ia IIIC T85°C Da IP66/IP67/IP68**

THIS CERTIFICATE CANCELS AND REPLACES THE PREVIOUS ONE. IT INCLUDES 1 ANNEX.

FIRST ISSUE 2014/02/04

CURRENT ISSUE 2023/04/19

PREVIOUS ISSUE 2014/02/04

EXPIRING DATE 2033/04/18

B.U. PRODUCT CONFORMITY ASSESSMENT  
CERTIFICATION SECTOR - MANAGER

This Certificate may only be reproduced in its entirety and without any change. It is subject to the general rules for assessing conformity to community directives for which IMQ operates as notified body n°. 0051 and to the special requirements for Directive 2014/34/EU (ATEX) "Equipment and protective systems for potentially explosive atmospheres" annex III - MODULE B - EU Type-examination.



PRD N° 005 B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC Signatory of EA, IAF and ILAC Mutual Recognition Agreements

[13] **Annex**

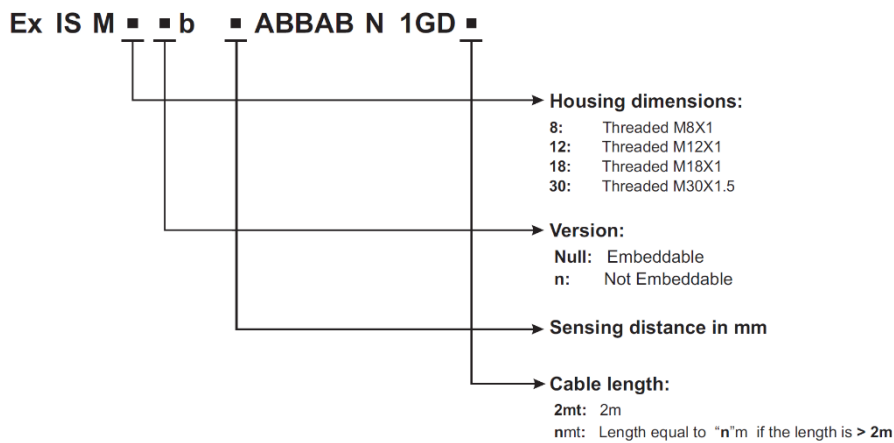
[14] EU-type Examination Certificate number: **IMQ 14 ATEX 001**

[15] **Description of product:**

Inductive NAMUR proximity sensors suitable for installation in hazardous areas. They are mounted on machine tools, textile machines, transfer lines, transport systems, packaging equipment, in the automobile industry and in all applications where solutions for automation are required

[15.1] **Models/Series Identification:**

Inductive NAMUR proximity sensors are coded as detailed below:



[15.2] **Ratings: -**

[15.3] **Safety Ratings:**

U<sub>i</sub>: 17 V  
 I<sub>i</sub>: 17 mA  
 P<sub>i</sub>: 73 mW  
 C<sub>i</sub>: 0,25 µF  
 L<sub>i</sub>: 175 µH

[15.4] **Ambient temperature and temperature classes:**

Ambient temperature: -25 °C ÷ +60 °C  
 Temperature class: T6 / T85°C

[15.5] **Degree of protection (IP code):** IP66 / IP67 / IP68 (30 min 1bar)

[15.6] **Warnings: -**

## [13] Annex

[14] EU-type Examination Certificate number: **IMQ 14 ATEX 001**

[16] **Report:** AT22-0083539-01

### [16.1] Routine (factory) tests:

The manufacturer shall carry out the routine test prescribed at clauses 27 of the EN 60079-0

### [16.2] Conformity with the documentation:

The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.

Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

- the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters,
- the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results

### [16.3] Installation conditions:

Above referred equipment is foreseen to be installed in locations where there are environmental conditions as clearly specified at clause 1, par. 2 of EN 60079-0.

Installation and use in atmospheric and environmental conditions that are out of above mentioned intervals requires special considerations and additional measures by the side of installer or user. These should be specified to the manufacturer by the user.

It is not required by applicable standard listed in [9] that the certification body confirm suitability for the adverse conditions.

NAMUR Inductive proximity sensors shall be supplied by associated apparatus certified according to EN 60079-0, EN 60079-1 1, with suitable electrical characteristics.

Connectors used shall maintain minimum declared degree of protection (IP66, IP67 or IP68 according to the marking).

Models with metallic enclosure shall be earthed

[17] **Special Condition of use (X): -**

### [18] Essential Health and safety Requirements:

This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].

This Certificate **does not** cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered in clause 1 of EN 60079-0.

ESHR 1.2.7 According Annex VIII of the Directive

ESHR 1.4 Not verified.

ESHR 1.5 Not verified.

ESHR 3 Not applied.

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9], the following are considered relevant to this product, and conformity is demonstrated in the report:  
None

[13] **Annex**

[14] EU-type Examination Certificate number: **IMQ 14 ATEX 001**

[19] **Descriptive documents:** DL-AT22-0083539-01, rev. 0, dated 2023-01-13

[20] **Certification Validity Conditions:**

The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to holders of IMQ Certificates.

The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per 19.

One copy of the mentioned documentation is kept in IMQ file

[21] **Variations**

2014-02: First issue

- 2023-04:
- Standard update
  - Updated resin compound specifications