



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX IMQ 14.0001** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2017-07-05\)](#)
[Issue 0 \(2014-01-10\)](#)
Date of Issue: 2023-04-06
Applicant: **steute Technologies GmbH & Co. KG**
Brückenstraße 91
32584 Löhne
Germany
Equipment: **NAMUR Inductive proximity sensors - serie Ex IS M**b *ABBAB N 1GD***
Optional accessory:
Type of Protection: **Ex ia**
Marking: Ex ia IIB T6 Ga OR Ex ia IIC T6 Ga
Ex ia III C T85°C Da

Approved for issue on behalf of the IECEx
Certification Body:

Mr. Mauro CASARI

Position:

IMQ ExCB Manager

Signature:
(for printed version)

Date:
(for printed version)

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

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Via Quintiliano 43
20138 Milano
Italy





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Manufacturer: **steute Technologies GmbH & Co. KG**
Brückenstraße 91
32584 Löhne
Germany

Manufacturing
locations:

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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:

[IT/IMQ/ExTR14.0001/02](#)

Quality Assessment Report:

[DE/BVS/QAR06.0023/15](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Inductive NAMUR proximity sensors suitable for installation in hazardous areas.

They are typically 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.

They can be in threaded / non-threaded cylindrical metallic enclosures.

They are Group IIB or IIC and IIIC and level of protection Ga (according to plastic exposed surface) and Da.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

Clarifications and Annex added

Issue 2

- Standard update
- Updated resin compound specifications
- Specified test conditions for grade of IP68 protection (30 min, 1 bar)

Annex:

[IECEX IMQ 14.0001 issue No. 2 Annex.pdf](#)

Annex to: IECEx IMQ 14.0001 issue No. 2
Applicant: steute Technologies GmbH & Co. KG
Apparatus: NAMUR inductive proximity sensors
Series: Ex IS M**b *ABBAB N 1GD*



General description

Inductive NAMUR proximity sensors suitable for installation in hazardous areas.

They are typically 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.

They can be in threaded / non-threaded cylindrical metallic enclosures.

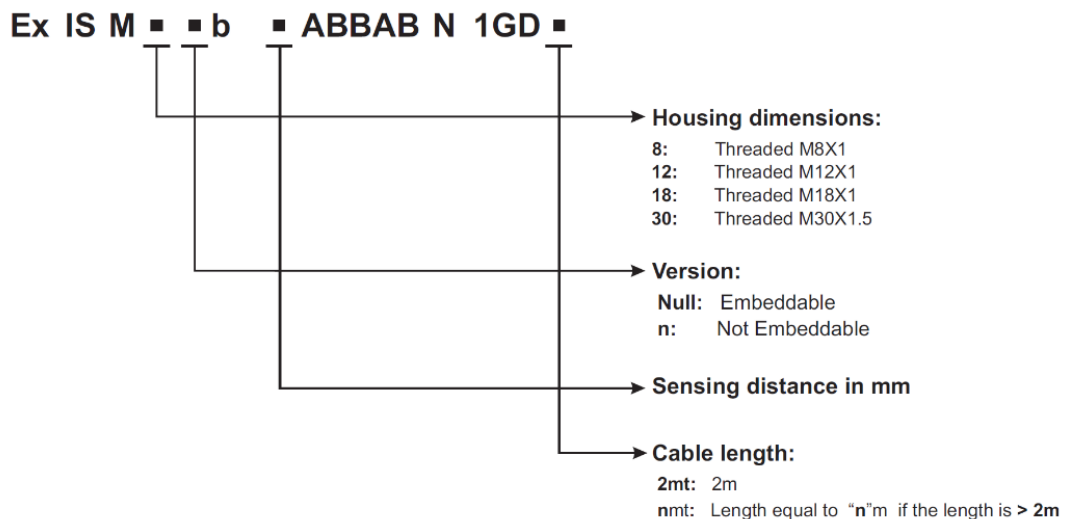
They are Group IIB or IIC and IIIC and level of protection Ga (according to plastic exposed surface) and Da

Temperature class and ambient temperature

Ambient temperature	Temperature class
-25 °C ≤ Ta ≤ 60 °C	T6 and maximum surface temperature of T85 °C

Design options

Key code



IP code:

- IP68 for models with integrated cable (30 min, 1 bar)
- IP66 or IP67 for models with integrated connector

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Applicant: steute Technologies GmbH & Co. KG
Apparatus: NAMUR inductive proximity sensors
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Safety ratings

Ui = 17V; li = 17mA; Pi = 73mW
Ci = 0,25µF; Li=175µH

Markings

Ex ia IIB T6 Ga or Ex ia IIC T6 Ga	Ex ia IIIC T85°C Da
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Installation conditions

- Above referred equipment shall be supplied by associated apparatus certified according to IEC 60079-0, IEC 60079-11, with suitable electrical characteristics according to “Safety ratings” above.
- Connectors used shall maintain minimum declared degree of protection (IP66 or IP67 according to the marking).
- Models with metallic enclosure shall be earthed

Warnings

None