



# 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 INE 15.0013X Issue No: 0 Certificate history:  
Issue No. 0 (2015-04-02)

Status: **Current** Page 1 of 3

Date of Issue: **2015-04-02**

Applicant: **FEAM**  
Via Mario Pagano, 3  
I - Trezzano Sul Naviglio (MI)  
**Italy**

Electrical Apparatus: **Acoustic signaler type ETH9\*.\***  
**Optional accessory:**

Type of Protection: **d and tb**

Marking:  
Ex d IIC T6 Gb  
Ex tb IIIC T85°C Db

*Approved for issue on behalf of the IECEx  
Certification Body:*

Thierry HOUEIX

*Position:*

Ex Certification Officer

*Signature:  
(for printed version)*

*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:

**INERIS**  
**Institut National de l'Environnement Industriel  
et des Risques**  
**BP n2**  
**Parc Technologique ALATA**  
**F-60550 Verneuil-En-Halatte**  
**France**



# IECEx Certificate of Conformity

Certificate No: IECEx INE 15.0013X Issue No: 0  
Date of Issue: **2015-04-02** Page 2 of 3  
Manufacturer: **FEAM**  
Via Mario Pagano, 3  
I - Trezzano Sul Naviglio (MI)  
**Italy**

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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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:

[FR/INE/ExTR15.0015/00](#)

Quality Assessment Report:

[IT/CES/QAR09.0003/05](#)



# IECEx Certificate of Conformity

Certificate No: IECEx INE 15.0013X

Issue No: 0

Date of Issue: **2015-04-02**

Page 3 of 3

## Schedule

### EQUIPMENT:

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

This enclosure made in aluminum alloy or stainless steel is constituted by a body closed with a cover fixed by four screws with minimum quality A2-70 or A4-70 and it is intended to contain mainly an acoustic signaller.

This enclosure can be fitted with the following Ex components IECEx TUN 11.0038U, IECEx TUN 12.0025U or IECEx EXA 13.0001U for gas and dust application.

When the Drain Valve type VEXE certified IECEx EXA 13.0001U is fitted on the equipment, it is only for dust application.

It can be also fitted with a breathing and draining valve type ECD1\*\* covered by the certificate IECEx EXA 14.0004U, IECEx EXA 14.0005U or IECEx EXA 14.0006U.

The enclosure gets the degrees of protection IP66 in accordance with IEC 60529 standard.

### CONDITIONS OF CERTIFICATION: YES as shown below:

The width of the flameproof joints is superior to that specified in the table of IEC 60079-1 standard.

### Annex:

[IECEx INE 15.0013X-00\\_Annex.pdf](#)



# IECEX Certificate of Conformity

Certificate No.: IECEX INE 15.0013X

Issue No.: 0

Page 1 of 2

Annexe: IECEX INE 15.0013X-00\_Annex.pdf

## PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage : 240 V.

Frequency : 50/60 Hz.

Maximum dissipated power : 12 W.

This acoustic signaller is intended to use in range of ambient temperatures from -20°C, -40°C or -60°C to +40°C or +60°C.

## MARKING

Marking has to be readable and indelible; it has to include the following indications:

- For gas and dust application:

- FEAM
- I - 20090 Trezzano Sul Naviglio (MI)
- ETH9\*-\* (1)
- IECEX INE 15.0013X
- (Serial number)
- Ex d IIC T6 Gb
- Ex tb IIIC T85°C Db IP66
- ...°C < Tamb < ...C (2)
- CABLE GLAND: (type and size)
- **WARNINGS:** DO NOT OPEN WHEN ENERGIZED  
DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- For dust application only (with Drain Valve type VEXE certified IECEX EXA 13.0001U):

- FEAM
- I - 20090 Trezzano Sul Naviglio (MI)
- ETH9\*-\* (1)
- IECEX INE 15.0013X
- (Serial number)
- Ex tb IIIC T85°C Db IP66
- ...°C < Tamb < ...C (2)
- CABLE GLAND: (type and size)
- **WARNINGS:** DO NOT OPEN WHEN ENERGIZED  
DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- (1) The type is completed by a letters and numbers in accordance with the manufacturing variations.
- (2) Range of ambient temperatures if different from -20°C to +40°C.



# IECEx Certificate of Conformity

---

Certificate No.: IECEx INE 15.0013X

Issue No.: 0

Page 2 of 2

Annexe: IECEx INE 15.0013X-00\_Annex.pdf

---

## **ROUTINE EXAMINATIONS AND TESTS**

In accordance with clause 16.1 of the IEC 60079-1 standard, each piece of equipment defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under:

- 13.2 bar for ambient temperature down to -20°C.
- 19.2 bar for ambient temperature down to -40°C.
- 21.4 bar for ambient temperature down to -60°C.



# 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](http://www.iecex.com)

Certificate No.: **IECEX INE 15.0013X** Page 1 of 4 [Certificate history:](#)  
Issue 0 (2015-04-02)

Status: **Current** Issue No: 1

Date of Issue: 2022-01-06

Applicant: **BARTEC F.N. S.R.L.**  
Via M. Pagano, 3  
I - 20090 Trezzano sul Naviglio (MI)  
**Italy**

Equipment: **Acoustic Signaler type ETH9\*-\***

Optional accessory:

Type of Protection: **d and tb**

Marking: Ex d IIC T6 Gb  
Ex tb IIIC T85°C Db

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:



Thierry HOUEIX

Ex Certification Officer

Signé électroniquement  
Digitally signed by  
Thierry HOUEIX  
Ex Certification Officer  
Délégué Certification

2022-01-06

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**INERIS**  
Institut National de l'Environnement Industriel et des Risques  
BP n2 / Parc Technologique ALATA  
F-60550 Verneuil-en-Halatte  
France



controlling risks |  
for sustainable development



# IECEX Certificate of Conformity

Certificate No.: **IECEX INE 15.0013X**

Page 2 of 4

Date of issue: 2022-01-06

Issue No: 1

Manufacturer: **BARTEC F.N. S.R.L.**  
Via M. Pagano, 3  
I - 20090 Trezzano sul Naviglio (MI)  
**Italy**

Additional  
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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements  
Edition:6.0

[IEC 60079-1:2007-04](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:6

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

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 Reports:

[FR/INE/ExTR15.0015/00](#)

[FR/INE/ExTR15.0015/01](#)

Quality Assessment Report:

[IT/CES/QAR09.0003/14](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX INE 15.0013X**

Page 3 of 4

Date of issue: 2022-01-06

Issue No: 1

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

This enclosure made in aluminum alloy or stainless steel is constituted by a body closed with a cover fixed by four screws with minimum quality A2-70 or A4-70 and it is intended to contain mainly an acoustic signaller.

This enclosure can be fitted with the following Ex components IECEx TUN 11.0038U, IECEx TUN 12.0025U or IECEx EXA 13.0001U for gas and dust application.

When the drain valve type V... certified IECEx TUN 11.0038U, IECEx TUN 12.0025U or IECEx EXA 13.0001U is fitted on the equipment, it is only for dust application.

It can be also fitted with a breathing and draining valve type ECD1\*\* covered by the certificate IECEx EXA 14.0004U, IECEx EXA 14.0005U or IECEx EXA 14.0006U.

The enclosure gets the degrees of protection IP66 in accordance with IEC 60529 standard.

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

The width of the flameproof joints is superior to that specified in the table of IEC 60079-1 standard.





# IECEX Certificate of Conformity

Certificate No.: **IECEX INE 15.0013X**

Page 4 of 4

Date of issue: 2022-01-06

Issue No: 1

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

### **Issue n°1 :**

- Change of the name and address of the applicant and manufacturer
- Update of the marking plates

### **Annex:**

[IECEX INE 15.0013X-01\\_Annex.pdf](#)



# IECEX Certificate of Conformity

Certificate No.: IECEx INE 15.0013X

Issue No.: 1

Page 1 of 1

Annex: IECEx INE 15.0013X-01\_Annex.pdf

## PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage : 240 V.  
Frequency : 50/60 Hz.  
Maximum dissipated power : 12 W.

This acoustic signaler is intended to use in range of ambient temperatures from -20°C, -40°C or -60°C to +40°C or +60°C.

## MARKING

Marking has to be readable and indelible; it has to include the following indications:

- For gas and dust application:
    - BARTEC FN (3)
    - I – 20090 Trezzano Sul Naviglio (MI)
    - ETH9\*-\* (1)
    - IECEx INE 15.0013X
    - (Serial number)
    - Ex d IIC T6 Gb
    - Ex tb IIIC T85°C Db IP66
    - ...°C < Tamb < ...°C (2)
    - CABLE GLAND: (type and size)
    - **WARNINGS:** DO NOT OPEN WHEN ENERGIZED  
DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT
  
  - For dust application only (with drain valve type V...):
    - BARTEC FN (3)
    - I – 20090 Trezzano Sul Naviglio (MI)
    - ETH9\*-\* (1)
    - IECEx INE 15.0013X
    - (Serial number)
    - Ex tb IIIC T85°C Db IP66
    - ...°C < Tamb < ...°C (2)
    - CABLE GLAND: (type and size)
    - **WARNINGS:** DO NOT OPEN WHEN ENERGIZED  
DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT
- (1) The type is completed by a letters and numbers in accordance with the manufacturing variations.  
(2) Range of ambient temperatures if different from -20°C to +40°C.  
(3) Optional Brands "BARTEC FEAM" or "BARTEC NASP" can be added in the marking with the sentence "manufactured by BARTEC FN"

## ROUTINE EXAMINATIONS AND TESTS

In accordance with clause 16.1 of the IEC 60079-1 standard, each piece of equipment defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under:

- 13.2 bar for ambient temperature down to -20°C.
- 19.2 bar for ambient temperature down to -40°C.
- 21.4 bar for ambient temperature down to -60°C.