



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 INE 16.0014X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2018-05-04\)](#)
[Issue 0 \(2016-05-26\)](#)
Date of Issue: 2021-11-29
Applicant: **BARTEC F.N. S.R.L.**
Via M. Pagano, 3
I - 20090 Trezzano sul Naviglio (MI)
Italy
Equipment: **Fittings and accessories for enclosures Ex db or Ex eb or Ex tb type RE - REB - REM - REN - LBH - LBY - NP - EM - PLG - ELF - ELM - ELMF**
Optional accessory:
Type of Protection: **db, eb, tb**
Marking: Ex db IIC Gb
Ex eb IIC Gb
Ex tb IIIC Db IP66 (for all versions) / IP68 (For cylindrical threads)

Approved for issue on behalf of the IECEx
Certification Body:

Thierry HOUÉIX

Position:

Ex Certification Officer

Signature:
(for printed version)

Date:

2021-11-29

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 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



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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 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[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

[IEC 60079-7:2015](#) Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

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 Reports:

[FR/INE/ExTR16.0014/01](#)

[FR/INE/ExTR16.0014/02](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The reducers/adapters (type RE-REM-REB-REN), nipples/couplings (type NP-EM), plugs (type PLG), pulling elbows (type LBH – LBY) and elbows (type ELF-ELM-ELMF) are intended to be fitted on enclosures protected by “Ex db”, “Ex eb” or “Ex tb”.

These accessories could be made in aluminum, stainless steel, carbon steel, brass or nickel plated brass.

The pulling elbows (type LBH – LBY) and elbows (type ELF-ELM-ELMF) must be installed with additional conduit sealing devices on each side covered by a separated certificate.

The stopping plugs using NPT threads corresponding to the Type B in the manufacturer’s documentation are in accordance with the version of the standard IEC 60079-1:2007. All the other fittings are in accordance with the version of the standard IEC 60079-1:2014.

These equipments get the degrees of protection IP66 (for cylindrical and conical threads) and IP68 (only for cylindrical threads) according to the IEC 60529 standard. The verification of the protection degree IPX8 corresponds to an immersion under 10 meters of water during 6 hours.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The fittings are intended to be used in an operating temperature range from -60°C to +130°C.
- The stopping plugs shall not be used with adaptors.
- The pulling elbows (type LBH – LBY) and elbows (type ELF-ELM-ELMF) must be installed with additional conduit sealing devices on each side covered by separated certificate.

The other conditions are stipulated in the instructions.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

For issue n°02 of certificate IECEx INE 16.0014X :

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

For issue n°01 of certificate IECEx INE 16.0014X :

- Update of standard version : IEC 60079-7:2015
- Introduction of new size 5" and 6

Annex:

[IECEX INE 16.0014X-02_Annex.pdf](#)



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Annex: IECEx INE 16.0014X-02_Annex.pdf

PARAMETERS RELATING TO THE SAFETY

The fittings are intended to be used in an operating temperature range from -60°C to +130°C.

MARKING

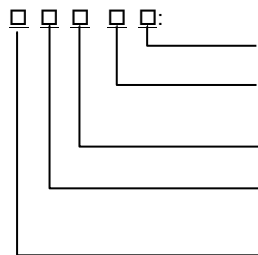
Marking has to be readable and indelible; it has to include the following indications:

- BARTEC FN (**)
- I - 20090 Trezzano sul Naviglio (MI)
- □□□□□ (*)
- IECEx INE 16.0014X
- Ex db IIC Gb
- Ex eb IIC Gb
- Ex tb IIIC Db
- IP66 (Conical threads) or IP66/IP68 (Cylindrical threads)

On the small fittings the marking can be reduced at:

- BARTEC FN (**)
- I - 20090
- □□□□□ (*)
- IECEx INE 16.0014X
- Ex db/eb/tb

(*) The type is completed by numbers and/or letters in accordance with the manufacturing variations. The tables of specifications are defined in the manufacturer's documents.



(Option): A or B or C or D in accordance with the manufacturer's documents

Material: AL or X or AZ or OT or ON (AL: Aluminum alloy; X: Stainless steel; AZ: Carbon steel; OT: Brass; ON: Nickel plated brass)

Type of thread: N or G or M or PG (N: NPT thread; G: Gas thread; M: Metric thread; PG: PG threads)

Size: From 10 to 80 for the type LBH or 16-26-36-56 for the type LBY or from "0" to "12" for the other types depending on the specifications and in accordance with the manufacturer's documents

Type: RE - REB - REM - REN - LBH - LBY - NP - EM - PLG - ELF - ELM - ELMF

(**) Optional Brands "BARTEC FEAM" or "BARTEC NASP" can be added in the marking with the sentence "manufactured by BARTEC FN".

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

None.