



# 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)

### Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX ITS 23.0005U** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2023-07-14  
Applicant: **BARTEC F.N. S.R.L.**  
Via M. Pagano, 3  
I - 20090 Trezzano sul Naviglio (MI)  
**Italy**  
Ex Component: enclosure type EJBmX

*This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).*

Type of Protection: **Ex db, Ex tb**  
Marking: Ex db IIB+H<sub>2</sub> Gb  
Ex tb IIIC Db IP66  
IECEX ITS 23.0005U

Approved for issue on behalf of the IECEx  
Certification Body:

**Richard J Tunnicliffe**

Position:

**Certification Officer**

Signature:  
(for printed version)

Date:  
(for printed version)

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:

**Intertek Testing & Certification Limited**  
ITS House, Cleeve Road  
Leatherhead  
Surrey, KT22 7SA  
**United Kingdom**

**intertek**



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

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

**FENEX**  
Via Carducci, 16  
I - 34070 Moraro (GO)  
**Italy**

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

[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 component listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/ITS/ExTR23.0003/00](#)

Quality Assessment Reports:

[IT/CES/QAR09.0003/15](#)

[IT/CES/QAR12.0006/10](#)



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## Ex Component(s) covered by this certificate is described below:

The empty enclosures series EJBМ, carried out in aluminium alloy, can be utilized to contain internal different equipment and/or electrical components.

The empty enclosures series EJBМ can have a blind cover or provided glass windows inspection.

A window can be installed only on the cover enclosure. The geometry of glass can be round or rectangular and it can be installed from size EJBМ1 to EJBМ4. On bigger sizes (from EJBМ5 to EJBМ7) glass cannot be installed.

The type code of the product is EJBМx where:

EJMB is the commercial name

X indicates the enclosure's size: 1, 2, 3, 4, 5, 6 and 7

## SCHEDULE OF LIMITATIONS:

- Service temperature range is:
  - -60°C to +120°C when windows are present
  - -60°C to +200°C when windows are not present
- The non-transmission tests have been performed for a maximum ambient temperature of +60°C.
- The screws used for the assembly of the various parts of explosion-proof enclosures are ISO 4762 must be of quality higher or equal to A2-70 or A4-70.
- The width of the flameproof joints is superior to those specified in tables of IEC 60079-1 standard. Flameproof joints are not intended to be repaired by the customer. Please contact the manufacturer.
- The final user shall take into consideration that the windows of the enclosures EJBМ underwent only a shock corresponding to an energy of a low risk at 2J and it shall protect against impact.
- The content of the Ex component enclosure equipment may be placed in any arrangement provided that an area of at least 40% of each cross-sectional area remains free.
- The equipment shall be installed so that the flanged joints are not within 20mm of a solid object that is not part of this equipment.
- Oil filled circuit breakers and contactors shall not be used.
- See the technical drawing for entries details
- See the user manual to minimize the risk of electrostatic charge

## Annex:

[Annex for IECEx Certificate of Conformity - IECEx ITS 23.0005U\\_1.pdf](#)



## Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	<b>IECEX ITS 23.0005U</b>	<b>Issue No. 0</b>
<b>Annex No. 1</b>		

<b>Technical Documents</b>			
<b>Title:</b>	<b>Drawing No.:</b>	<b>Rev. Level:</b>	<b>Date:</b>
Istruzioni per l'uso Instruction for use	IU17-435	0	22/06/2023
Nota tecnica Techniicall note	NT17-435	0	22/06/2023
Custodie Serie EJBm – Dimensioni EJBm Enclosure Series - Dimension	PNC 17-435-FG1	0	22/06/2023
Custodie Serie EJBm – dettaglio chiusura EJBm Enclosure Series – closing detail	PNC 17-435-FG2	0	22/06/2023
Custodie Serie EJBm – Foratura Pareti EJBm Enclosure Series – Sides Drillings	PNC 17-435-FG3	0	22/06/2023
Custodie Serie EJBm – Forature Coperchio EJBm Enclosure Series – Cover Drillings	PNC 17-435-FG4	0	22/06/2023
Custodie Serie EJBm – Dimensioni Oblò EJBm Enclosure Series – Oblò Dimension	PNC 17-435-FG5	0	22/06/2023
Custodie Serie EJBm – Bullone messa a terra interno/esterno EJBm Enclosure Series – Earthing bolt external/internal	PNC 17-435-FG6	0	22/06/2023
Custodie Serie EJBm – Esempio Lamatura EJBm Enclosure Series – Counterbore sample	PNC 17-435-FG7	0	22/06/2023
Custodie Serie EJBm – Targa EJBm Enclosure Series - Tag	PNC 17-435-FG8	0	22/06/2023
SEALING PROCEDURE FOR EJBm WINDOW	ATT17-435-C	0	22/06/2023

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**intertek**

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**Intertek Testing and Certification Ltd**  
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Cleeve Road Leatherhead  
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## Annex to IECEx Certificate of Conformity

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Required Manufacturer Routine Testing		
Test	Title/Description of Test	Standard and Clause
1	<p>Routine test for IEC 60079-1: it is required to make an overpressure at these value:</p> <ul style="list-style-type: none"><li>• 1.6MPa (16 bar) for model from EJBM1 to EJBM4.</li><li>• 1.8MPa (18 bar) for model from EJBM5 to EJBM7</li></ul> <p>The application of the pressure shall be at least 10s.</p> <p>The routine tests are considered satisfactory if the enclosure withstands the pressure without suffering permanent deformation of the joints or damage to the enclosure</p>	<p>IEC 60079-1, clause 15.2.3.2 Overpressure test – First method (static)</p>

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