



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX IBE 09.0016U**

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Certificate history:

Status: **Current**

Issue No: 8

Issue 7 (2024-07-12)

Issue 6 (2023-06-15)

Issue 5 (2018-12-05)

Issue 4 (2014-01-16)

Issue 3 (2012-06-07)

Issue 2 (2012-05-08)

Issue 1 (2011-10-17)

Issue 0 (2010-03-08)

Date of Issue: 2025-03-31

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

Ex Component: Stainless steel enclosure of type 07-56.1-..../.... and 07-55.1-..../....

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: **Increased safety "e" and dust ignition protection by enclosure "t"**

Marking: Ex eb IIC Gb
Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:


Kai Willamowski

Position:

Head of department Certification Body

Signature:
(for printed version)

Date:
(for printed version)


31.03.2025

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:

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg
Germany

IBExU



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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 Pte Ltd**
63 Hillview Avenue
#07-18 to #07-23 Lam Soon Industrial Building
Singapore 669569
Singapore

BARTEC MIDDLE EAST LLC
Building N° 3501
Hussain Bin Ali Street
Qatif Industrial Area
3685 AL KHOBAR
Saudi Arabia
Saudi Arabia

BARTEC Explosion Proof Appliances (Shanghai) Co. Ltd.
New Building 7
No. 188 Xinjung Rind Rd.
Caohejing Pujiang Hi-tech park
Minhang District, Shanghai
China

See following pages for more 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 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 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Reports:

DE/IBE/ExTR09.0014/00
DE/IBE/ExTR09.0014/03
DE/IBE/ExTR09.0014/06

DE/IBE/ExTR09.0014/01
DE/IBE/ExTR09.0014/04
DE/IBE/ExTR09.0014/07

DE/IBE/ExTR09.0014/02
DE/IBE/ExTR09.0014/05

Quality Assessment Reports:

DE/TUN/QAR06.0017/15
IT/CES/QAR12.0006/12
NO/DNV/QAR23.0002/02

FR/INE/QAR17.0001/06
NL/DEK/QAR12.0059/08

IT/CES/QAR09.0003/17
NL/DEK/QAR12.0061/11



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

The stainless steel enclosure of type 07-56.1-..../.... and 07-55.1-..../.... serve for the installation of components. They may be provided with flanges and inspection windows.

Technical data

Sizes	Length	Width	Height
Smallest	100 mm	100 mm	60 mm
Largest	1200 mm	1200 mm	400 mm

Service temperature range $-20\text{ °C} \leq T_{amb} \leq +100\text{ °C}$ (EPDM gasket)*
 $-40\text{ °C} \leq T_{amb} \leq +100\text{ °C}$ (silicone gasket)*
 $-40\text{ °C} \leq T_{amb} \leq +80\text{ °C}$ (RAKU PUR gasket)

Degree of protection (IP code) minimum IP64
 maximum IP66

* The maximum permitted service temperature is 95 °C if the enclosure contains a plastic window.

SCHEDULE OF LIMITATIONS:

The service temperature range (-40 °C / $-20\text{ °C} \dots +80\text{ °C}$ / $+100\text{ °C}$) depends on the used gasket . If the empty enclosures contain a plastic window, the maximum applicable service temperature is 95 °C.

Types including plastic inspection windows exceeding 20 cm² (IIC) or 100 cm² (IIB, IIA) require a warning label according to IEC 60079-0, Clause 29.13 g).



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

The manufacturing location BARTEC NEDERLAND B.V. has been removed.

A new manufacturing location Bartec Thermal Control and Safety System has been added.

The manufacturer's name has been changed from BARTEC TECHNOR AS to BARTEC AS, including changing of QAR.



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Additional manufacturing locations:

FENEX

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

BARTEC GmbH

Max Eyth Straße 16
97980 Bad Mergentheim
Germany

BARTEC AS

Vestre Svanholmen 24
Sandnes 4313
Norway

**Bartec Thermal Control and Safety System
(Pinghu) Co., Ltd.**

4# Plant No. 1555 Xingping Fourth Road
Pinghu, Jiaxing ZheJiang
China