



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

Ex COMPONENT CERTIFICATE

Certificate No.: IECEx IBE 09.0016U

Issue No: 5

Certificate history:

Status: **Current**

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Issue No. 5 (2018-12-05)

Date of Issue: **2018-12-05**

Issue No. 4 (2014-01-16)

Applicant: **BARTEC VARNOST d.o.o.**

Issue No. 3 (2012-06-07)

Cesta 9.avgusta 59
1410 Zagorje ob Savi
Slovenia

Issue No. 2 (2012-05-08)

Issue No. 1 (2011-10-17)

Issue No. 0 (2010-03-08)

Ex Component: **Empty enclosures and cubicles 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:

Dipl.-Ing. Alexander Henker

Position:

Deputy Head of Certification Body

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:

IBExU Institut für Sicherheitstechnik GmbH
Certification Body
Fuchsmühlenweg 7
09599 Freiberg
Germany





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Manufacturer: **BARTEC VARNOST d.o.o.**
Cesta 9.avgusta 59
1410 Zagorje ob Savi
Slovenia

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 Component 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 Ex 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 : 2011 Edition:6.0 | Explosive atmospheres - Part 0: General requirements |
| IEC 60079-31 : 2013 Edition:2 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" |
| IEC 60079-7 : 2015 Edition:5.0 | Explosive atmospheres – Part 7: Equipment protection by increased safety "e" |

*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 Ex Component listed has successfully met the examination and test requirements as recorded in

Test Report:

| | | |
|---------------------------------------|---------------------------------------|---------------------------------------|
| DE/IBE/ExTR09.0014/00 | DE/IBE/ExTR09.0014/01 | DE/IBE/ExTR09.0014/02 |
| DE/IBE/ExTR09.0014/03 | DE/IBE/ExTR09.0014/04 | |

Quality Assessment Report:

| | | |
|--------------------------------------|--------------------------------------|--------------------------------------|
| DE/TUN/QAR06.0017/10 | IT/CES/QAR12.0006/05 | NL/DEK/QAR11.0034/04 |
| NL/DEK/QAR12.0059/04 | NL/DEK/QAR12.0061/06 | NO/NEM/QAR07.0003/11 |
| SI/SIQ/QAR11.0003/04 | | |



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Schedule

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

Empty enclosures and cubicles of type 07-56.1-.../... and 07-55.1-.../... are made of stainless steel and serve for the installation of components. They may be provided with flanges and inspection windows.

For technical data as well as additional manufacturing locations see Annex.

SCHEDULE OF LIMITATIONS:

The service temperature range depends on the gasket used and has to be met. The service temperature range may be limited if the empty enclosures contain a plastic window.

Types including plastic inspection windows exceeding 20 cm² (IIC) or 100 cm² (IIB, IIA) require a warning label according to IEC 60079-0, Clause 29.12 g).



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

- The empty enclosures comply with the requirements of IEC 60079-7, Ed. 5 and IEC 60079-31, Ed. 2.
- New types including new gaskets have been added.
- New manufacturing locations have been added.

Annex:

[Annex_to_IBE09.0016U_05.pdf](#)



IECEx Certificate of Conformity - Annex



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Technical data

| Sizes: | | Length | Width | Height |
|--------|----------|---------|---------|--------|
| | Smallest | 100 mm | 100 mm | 60 mm |
| | largest | 1200 mm | 1200 mm | 400 mm |

Service temperature range
-55 °C to +100 °C (silicone gasket)*
-20 °C to +100 °C (EPDM gasket)*
-40 °C to +80 °C (RAKU Pur gasket)

degree of protection (IP code)
at least IP64
maximum IP 66

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

Additional Manufacturing locations:

| | | | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------|-----------------|
| BARTEC VARNOST d.o.o | Cesta 9. Avgusta 59 | 1410 Zagorje ob Savi | Slovenia |
| BARTEC GmbH | Max-Eyth-Straße 16 | 97980 Bad Mergentheim | Germany |
| BARTEC Nederland B.V. | Boelewerf 25 | 2987 VD Ridderkerk | The Netherlands |
| BARTEC Explosion Proof Appliances (Shanghai) Co. Ltd. | New Building 7, No. 188 Xijum Ring Road, Caohejing Pujiang Hi-Tech Park (Pudong Area), Minhang District | 201114 Shanghai | P.R. China |
| BARTEC Pte. Ltd | 63 Hilview Avenue, #07-20/23 Lam Soon Building | 669569 Singapore | Singapore |
| BARTEC Technor AS | Dusavikveien 39 | 4007 Stavanger | Norway |
| BARTEC Fenex s.r.l. | Via Carducci 16 | 34070 Moraro-GO | Italy |