



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

Certificate No.: IECEx IBE 09.0017

Issue No: 4

Certificate history:

Status: **Current**

Issue No. 4 (2018-12-05)

Issue No. 3 (2014-01-17)

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

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Issue No. 2 (2012-05-08)

Issue No. 1 (2011-10-17)

Issue No. 0 (2010-03-08)

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

Equipment: **Enclosures and cubicles made from metal with flange of type 07-56..-..../.... and 07-55..-..../....**

Optional accessory:

Type of Protection: **Increased safety "e"; Intrinsic safety "i"; Protection by enclosures "tb"**

Marking:

Type 07-5..2-..../....
Ex eb IIC T6, T5 Gb
Ex tb III C T 80 °C, T95 °C Db
Type 07-5..3-..../....
Ex eb ia/ib IIC T6, T5 Gb
Ex tb III C T 80 °C, T95 °C Db
Type 07-5..4-..../....
Ex ia/ib IIC T6 Gb Ta ≤ 55 °C
Ex tb IIIC T 80 °C Db Ta ≤ 55 °C
Ex ia/ib IIIC T 80 °C Db Ta ≤ 55 °C

*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 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 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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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 equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

DE/IBE/ExTR09.0015/01 DE/IBE/ExTR09.0015/02 DE/IBE/ExTR09.0015/03

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/QAR11.0003/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Enclosures and cubicles of type 07-56.../... and 07-55.../... are made of metal and may be equipped with flanges. They serve for connection and branching of incoming and exiting cables and wires by connection clamps and terminal blocks.

The enclosures and cubicles may be closed with a lid or a door fixed with hinges.

For detailed information as technical data and additional manufacturing locations see Annex.

SPECIFIC CONDITIONS OF USE: NO



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

The enclosures comply with the requirements of IEC 60079-7, Ed. 5 and IEC 60079-31, Ed. 2

A new type 07-55 has been added.

Additional manufacturing locations have been added.

Annex:

[Annex_to_IBE09.0017_04.pdf](#)



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Technical data

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

Ambient temperature	-20 °C ≤ T _a ≤ +55 °C (T5, EPDM gasket used) -20 °C ≤ T _a ≤ +40 °C (T6, EPDM gasket used) -55 °C ≤ T _a ≤ +55 °C (T5, silicon gasket used) -55 °C ≤ T _a ≤ +40 °C (T6, silicon gasket used)
Ingress protection	minimum IP 54 maximum IP 66
rated voltage	maximum 1100 V
rated cross-sectional area	up to 300 mm ²

The ambient temperature range may be increased to +65 °C (T6) or +80 °C (T5) if the following three conditions are met:

- rated current is maximum 2 A
- the nominal cross section of the conductors is at least 0.75 mm²
- maximum 60 clamping facilities permitted

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



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