



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 PTB 09.0009X** issue No.:2

Status: **Current**

Date of Issue: **2012-09-11**

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Certificate history:

Issue No. 2 (2012-9-11)

Issue No. 1 (2011-11-1)

Issue No. 0 (2009-1-28)

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

Electrical Apparatus: **Junction Box types 07-5103-****/****, 07-5105-****/****, 07-5106-****/******
Optional accessory: and 07-5107-****/****

Type of Protection: **Increased Safety "e", Intrinsic Safety "i", Protection by Enclosure "tb"**

Marking: Ex e ia/ib IIA, IIB, IIC T6, T5 Gb
Ex ia/ib IIA, IIB, IIC T6, T5 Gb
Ex tb IIIC T80 °C, T95 °C Db
Ex ia/ib IIIC T80 °C, T95 °C Db


Approved for issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Uwe Klausmeyer

Position:

Head of Section "Flameproof Enclosure"

Signature:
(for printed version)


22-09-2012

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:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany





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

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 electrical 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 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition: 4	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/PTB/ExTR09.0009/01

Quality Assessment Report:

SI/SIQ/QAR11.0003/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The junction box, type 07-5103-****/****, 07-5105-****/****, 07-5106-****/**** and 07-5107-****/**** is a polyester enclosure which is designed to type of protection Increased Safety "e".

The junction box type 07-5103-****/**** and 07-5105-****/**** is also designed to type of protection Protection by enclosure "tb".

The junction box of type 07-5103-****/**** and type 07-5106-****/**** is equipped with terminals of type of protection Increased Safety "e" and, optionally, terminals for intrinsically safe circuits. The latter are separated from the terminals of type of protection Increased Safety "e" and are marked, e.g. by a light-blue colour, for clear identification.

The junction box of type 07-5105-****/**** and type 07-5107-****/**** houses terminals for intrinsically safe circuits only.

Connection is by means of Ex-type cable entries. The empty enclosure and all components have been tested and certified under a separate examination certificate.

Technical data, nomenclature and notes for manufacture and operation see Annex

CONDITIONS OF CERTIFICATION: YES as shown below:

Conditions for safe use

For enclosures and parts of enclosures with a surface resistance $>10^9$ Ohm exist potential electrostatic charging hazard. These enclosures has to be equipped with following marking:

"Warning – potential electrostatic charging hazard. Only wet cleaning. See instructions"



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

- 1) New test according to IEC 60079-0:2011, IEC 60079-7:2006 and IEC 60079-31:2008
- 2) The junction boxes type 07-5103-****/**** and 07-5105-****/**** may also be used in areas in which explosive atmospheres produced by dust/air mixtures may occasionally occur.
- 3) The marking is changed.