



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 PTB 11.0032U**

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Certificate history:

Status: **Current**

Issue No: 4

Issue 3 (2015-06-04)

Issue 2 (2012-07-02)

Issue 1 (2011-11-01)

Issue 0 (2011-05-11)

Date of Issue: 2019-11-11

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

Ex Component: Aluminium housing type 07-5180-****/****

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 "eb", Protection by Enclosure "tb"**

Marking: Ex eb IIC Gb
Ex tb IIIC Db

Approved for Issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Detlev Markus

Position:

Head of Department Explosion Protection in Energy Technology

Signature:
(for printed version)

D. Markus
17.11.19

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 www.iecex.com or use of this QR Code.



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

Additional
manufacturing
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 equipment 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 equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/PTB/EXTR09.0011/03](#)

Quality Assessment Report:

[SI/SIQ/QAR11.0003/05](#)



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

Description of equipment

Aluminium housings of type 07-5180.**** / * *** are empty enclosures that may be provided with 1 or 2 inspection windows made from plastic material.

Technical data and Nomenclature see Annex.

SCHEDULE OF LIMITATIONS:

The empty enclosure must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.

For windows with a surface resistance $>10^9$ Ohm exist potential electrostatic charging hazard. These enclosures have 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)

New test according to the standards IEC 60079-0:2017 (Ed. 7), IEC 60079-7:2015+A1:2017 (Ed. 5.1)
IEC 60079-31:2013 (Ed. 2).

Annex:

[COCA11.0032U Issue 4.pdf](#)



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

Electrical Apparatus: Aluminium housing type 07-5180****/****

Description

Aluminium housings of type 07-5180-****/**** are empty enclosures that may be provided with 1 or 2 inspection windows made from plastics.

Technical data

Sizes:	Length	Width	Height
smallest	58 mm	64 mm	36 mm
largest	600 mm	310 mm	180 mm

Service temperature range	-28 °C to +95 °C with EPDM gasket, without inspection window -25 °C to +95 °C with EPDM gasket, with inspection window -55 °C to +100 °C with silicone gasket, without inspection window
Ingress Protection	IP 66 acc. to IEC 60529

Nomenclature

07-	5	1	8	0-	***	*/**	**
1	2	3	4	5	6	7	8

- 1: Type number
- 2: Number for installation material
- 3: Number for junction box
- 4: Number for empty enclosure Ex e
- 5: Number for enclosure material and colour
- 0: Aluminium
- 6: Number for length
min. 058 = 58 mm
max. 600 = 600 mm
- 7: Number for width
min. 064 = 64 mm
max. 310 = 310 mm
- 8: Number for height
min. 36 = 36 mm
max. 180 = 180 mm



Schedule of Limitations

The empty enclosure must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.

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

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

Installation of electrical components requires a further assessment by an ExCB.