



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 09.0008U	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 7	Issue 6 (2015-06-22)
Date of Issue:	2019-09-16		Issue 5 (2013-10-21)
Applicant:	BARTEC-Varnost d.o.o. Cesta 9 avgusta 59 1410 Zagorje ob Savi Slovenia		Issue 4 (2013-01-17)
			Issue 3 (2012-09-11)
			Issue 2 (2011-11-01)
			Issue 1 (2010-01-20)
			Issue 0 (2009-01-28)
Ex Component:	Polyester housing type 07-5184-****/**** and 07-5185-****/****		

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 III C 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)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
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Certificate issued by:

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





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Issue No: 7

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

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

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 Report:

[DE/PTB/ExTR08.0074/05](#)

Quality Assessment Reports:

[NL/DEK/QAR12.0061/06](#)

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



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

Description of equipment

Polyester housings of type 07-5184-****/**** and 07-5185-****/**** are empty enclosures that may be provided with an inspection window / inspection windows made from plastics.

Technical Data and Nomenclature see Annex.

SCHEDULE OF LIMITATIONS:

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)

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:

[COCA-09.0008U-Issue 7.pdf](#)



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

Electrical Apparatus: Polyester Housing types 07-5184-****/**** and 07-5185-****/****

Description of equipment

Polyester housings of type 07-5184-****/**** and 07-5185-****/**** are empty enclosures that may be provided with inspection windows made from plastics.

Technical data

Sizes	Length	Width	Height
min.	80 mm	75 mm	55 mm
max.	600 mm	405 mm	165 mm

Service temperature range	-20 °C to +95 °C with EPDM gasket -25 °C to +95 °C with inspection window(s) -55 °C to +100 °C with silicone gasket, without inspection window -55 °C to +95 °C with material HR 2529 SMC, with silicone gasket, without inspection window
Ingress Protection	IP66 acc. to EN 60529
Surface resistance	Housing type 07-5184-****/****: > 10 ¹² Ohm Housing type 07-5185-****/****: < 10 ⁹ Ohm Inspection window: > 10 ¹⁴ Ohm

Nomenclature

07-	5	1	8	*-	***	*/**	**
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
- 5: Number for enclosure material and colour
 - 4: polyester grey
 - 5: polyester black
- 6: Number for length
- 7: Number for width
- 8: Number for height