



(1) EC-TYPE-EXAMINATION CERTIFICATE (Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - Directive 94/9/EC



(3) EC-type-examination Certificate Number:

PTB 08 ATEX 1062 U

(4) Component: Polyester housings, types 07-5184-.../... and 07-5185-.../...

(5) Manufacturer: BARTEC Varnost d.o.o.

(6) Address: Cesta 9 avgusta 59, 1410 Zagorje ob Savi, Slovenia

(7) This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 08-18210.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2006 **EN 60079-7:2003**

(10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This Component Certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified component in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

(12) The marking of the component shall include the following:

 II 2 G Ex e II

Zertifizierungsstelle Explosionsschutz

Braunschweig, September 18, 2008

By order:

Dr.-Ing.

Oberregler



sheet 1/2

EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

(13)

SCHEDULE

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 1062 U

(15) Description of component

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

Sizes:	Length	Width	Height
smallest	80 mm	75 mm	55 mm
largest	600 mm	405 mm	160 mm

Temperature range: -55 °C to +100 °C, which is subject to the sealing used
-25 °C to +95 °C, with inspection window(s)

Shock protection, protection against solid bodies, and protection against ingress of water: IP 54 according to EN 60529 as a minimum.

(16) Test report PTB Ex 08-18210

(17) Notes for manufacture, installation and operation

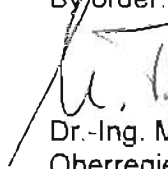
None

(18) Essential health and safety requirements

Met by compliance with the afore-mentioned Standards.

Zertifizierungsstelle Explosionsschutz

By order:


Dr.-Ing. M. Zhebers
Oberregierungsrat



Braunschweig, September 18, 2008

sheet 2/2

EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

1st SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 1062 U

(Translation)

Equipment: Polyester housing, type 07-5184-****/**** and 07-5185-****/****

Marking:  **II 2 G Ex e II**

Manufacturer: BARTEC Varnost d.o.o.

Address: Cesta 9 Avgusta 59, 1410 Zagorje ob Savi, Slovenia

Description of supplements and modifications

The Polyester housing type 07-5185-****/**** may also be used in areas in which explosive atmospheres produced by dust/air mixtures may occasionally occur.

The Polyester housing type 07-5184-****/**** and 07-5185-****/**** has been re-assessed according to EN 60079-0:2009, EN 60079-7:2007, EN 60079-31.

Thus the marking changes to:

 **II 2 G Ex e IIC Gb**

 **II 2 D Ex tb IIIC Db IP65 / IP66**

Protection against contact, foreign bodies and water changed to IP65 resp. IP66.

Technical data

Sizes:	Length	Width	Height
smallest	80 mm	75 mm	55 mm
largest	600 mm	405 mm	160 mm

Operation temperature range	-20 °C to +95 °C with EPDM gasket -25 °C to +95 °C with inspection window(s) -55 °C bis +100 °C with silicone gasket, without inspection window
Protection against contact, foreign bodies and water	IP66 with EPDM gasket IP65 with silicone gasket

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Notes for manufacturing and operation

For the housing and windows with a surface resistance of $>10^9$ Ohm potential electrostatic charging hazard exists. The enclosure must therefore carry the following warning:

"WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – Only wet cleaning - See instructions".

Installation of electrical components requires a further assessment by a notified body.

Applied standards


EN 60079-0:2009, EN 60079-7:2007, EN 60079-31:2009

Test report: PTB Ex 12-10074

Zertifizierungssektor Explosionsschutz

Braunschweig, October 18, 2012

On behalf of PTB:


Dipl.-Phys. U. Völkel



2nd SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 1062 U

(Translation)

Equipment: Polyester enclosure, types 07-5184-****/**** and 07-5185-****/****

Marking:  **II 2 G Ex e IIC Gb**
II 2 D Ex tb IIIC Db IP65 / IP66

Manufacturer: BARTEC-VARNOST d.o.o.


Address: Cesta 9. avgusta 59, 1410 Zagorje ob Savi, Slovenia

Description of supplements and modifications

The polyester enclosure, types 07-5184-****/**** and 07-5185-****/****, has been re-examined on the basis of standard EN 60079-0:2012.

The marking changes to:

 **II 2 G Ex e IIC Gb**

 **II 2 D Ex tb IIIC Db** (only type 07-5185-****/****)

When the silicone gasket is used, the protection against solid foreign objects, water and contact changes to IP66.

Technical data

Overall sizes:	Length	Width	Height
Smallest	80 mm	75 mm	55 mm
Largest	600 mm	405 mm	160 mm

Operating temperatures	-20 °C to +95 °C with EPDM gasket -25 °C to +95 °C, with sight glass(es) 55 °C to +100 °C with silicone gasket, without sight glass
Protection against solid foreign objects, water and contact	IP66 with EPDM gasket IP66 with silicone gasket
Surface resistance	Enclosure, type 07-5184-****/****: > 10 ¹² Ohm Enclosure, type 07-5185-****/****: > 10 ⁹ Ohm Sight glass: > 10 ¹⁴ Ohm

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EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

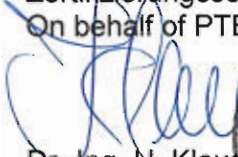
Applied standards

EN 60079-0:2012, EN 60079-7:2007, EN 60079-31:2009

Test report: PTB Ex 13-12305

Zertifizierungssektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 29, 2013


Dr.-Ing. U. Klausmeyer
Direktor und Professor



3rd SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 1062 U

(Translation)

Equipment: Polyester enclosure, type 07-5184-***/** and 07-5185-***/**

Marking:  II 2 G Ex e IIC Gb
 II 2 D Ex tb IIIC Db

Manufacturer: BARTEC-VARNOST d.o.o.

Address: Cesta 9. avgusta 59, 1410 Zagorje ob Savi, Slovenia

Description of supplements and modifications

The polyester enclosure, type 07-5184-****/**** and 07-5185-****/****, can optionally be made from material HR 2529 SMC and with 25 Shore silicone seal No. 115402.

Technical data

Overall sizes	Length	Width	Height
Smallest	80 mm	75 mm	55 mm
Largest	600 mm	405 mm	160 mm

Operating temperatures	-20 °C to +95 °C with EPDM gasket -25 °C to +95 °C with sight glass(es) -55 °C to +100 °C with silicone gasket, without sight glass -55 °C to +95 °C with material HR 2529 SMC and silicone gasket No. 115402
Protection against solid foreign objects, water and contact	IP66 with EPDM gasket IP66 with silicone gasket
Surface resistance	Enclosure, type 07-5184-****/****: > 10 ¹² ohms Enclosure, type 07-5185-****/****: < 10 ⁹ ohms Sight glass: > 10 ¹⁴ ohms

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Notes for manufacturing and operation

For the enclosure and the window with a surface resistance of $>10^9$ ohms there is a risk of electrostatic discharge. The enclosure must therefore carry the following warning:

"Warning! Risk of electrostatic discharge. Only clean with moist cloth. See instructions for operation."

The installation of electrical components is subject to re-assessment by a notified body.

Applied standards

EN 60079-0:2012, EN 60079-7:2007, EN 60079-31:2009

Test report: PTB Ex 13-13151

Zertifizierungssektor Explosionsschutz
On behalf of PTB:

Braunschweig, December 6, 2013



Dipl.-Phys. U. Völkel

4th SUPPLEMENT
according to Directive 94/9/EC Annex III.6
to EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 1062 U
(Translation)

Equipment: Polyester housing, type 07-5184-****/**** and 07-5185-****/****

Marking:  **I 2 G Ex e IIC Gb**
 **II 2 D Ex tb IIIC Db**

Manufacturer: BARTEC-VARNOST d.o.o.

Address: Cesta 9. Avgusta 59, 1410 Zagorje ob Savi, Slovenia

Description of supplements and modifications

The polyester housing, type 07-5184-****/**** and 07-5185-****/****, has been re-examined on the basis of standard EN 60079-31:2014.

Technical data

Overall sizes:	Length	Width	Height
Smallest	80 mm	75 mm	55 mm
Largest	600 mm	405 mm	160 mm

Operating temperatures	-20 °C to +95 °C with EPDM gasket -25 °C to +95 °C, with sight glass(es) -55 °C to +100 °C with silicone gasket, without inspection window -55 °C to +95 °C with material HR 2529 SMC and silicone gasket No. 115402
Protection against solid foreign objects, water and contact	IP66 with EPDM gasket IP66 with silicone gasket
Surface resistance	Housing, type 07-5184-****/****: > 10 ¹² ohms Housing, type 07-5185-****/****: < 10 ⁹ ohms Inspection window: > 10 ¹⁴ ohms

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4th SUPPLEMENT TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 1062 U

Notes for manufacturing and operation

For the housing and the window with a surface resistance of $>10^9$ ohms there is potential electrostatic charging hazard. The housing must therefore carry the following warning: "Warning- potential electrostatic charging hazard. Only wet cleaning. See instructions."

The installation of electrical components is subject to re-assessment by a notified body.

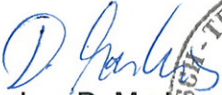
Applied standards

EN 60079-0:2012, EN 60079-7:2007, EN 60079-31:2014

Test report: PTB Ex 15-15050

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 6, 2015


Dr.-Ing. D. Markus
Oberregierungsrat

