

# CERTIFICATE

## (1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 01ATEX2222 X** Issue Number: **4**

(4) Equipment: **Electronic Beacon/Beacon, Types BExCBG05-05D, BExCBGL2-L2D and BExCBGL2-05D**

(5) Manufacturer: **European Safety Systems Ltd.**

(6) Address: **Impress House, Mansell Road, Acton, London W3 7QH, UK**

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

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 confidential test report number NL/KEM/ExTR10.0032/02.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2012 + A11**

**EN 60079-1 : 2007**

**EN 60079-31 : 2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

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

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



**II 2 G Ex d IIC T6...T4 Gb**  
**II 2 D Ex tb IIIC T65 °C...T130 °C Db**

This certificate is issued on 14 April 2016 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

R. Schuller  
Certification Manager

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 01ATEX2222 X**

Issue No. 4

(15) **Description**

Electronic Beacon/Beacon, Types BExCBG05-05D, BExCBGL2-L2D and ExCBGL2-05D, housed in aluminium enclosures in type of protection flameproof enclosure "d" and ignition protection "tb", are used to provide visual warning signals.

The Beacon/Beacons are provided with glass domes.

Types BExCBGL2-L2D and BExCBGL2-05D are provided with plastic dome covers.

Type BExCBG05D is optionally provided with plastic dome covers indicated by the suffix -P to the type designation; BExCBG05-05D-P.

The enclosure provides a degree of protection of IP66/IP67 per EN 60529 and EN 60079-0.

**Electrical data**

Beacon type	Supply voltage	Voltage range	Supply current
BExCBG05-05D, BExCBG05-05D-P	12 / 24 / 48 Vdc or 115 / 230 Vac	-	750 / 300 / 180 mA or 140 / 55 mA
BExCBGL2-L2D	24 Vdc or 115 / 230 Vac	20-28 Vdc / 42-54 Vdc or 103.5-126 Vac / 207-253 Vac	480 mA or 170 / 96 mA
BExCBGL2-05D	24 / 48 Vdc or 115 / 230 Vac	18-54 Vdc or 103.5-126 Vac / 207-253 Vac	520 / 283 mA or 170 / 89 mA

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 01ATEX2222 X**

Issue No. 4

**Marking**

The relation between the double beacon, the ambient temperature range and the marking for gas and dust applications is given in the tables below.

<b>GAS</b>			
Ambient temp. range	50 °C to +40 °C	-50 °C to +55 °C	-50 °C to +70 °C
BExCBG05-05D		Ex d IIB T5 Gb	Ex d IIB T4 Gb
BExCBG05-05D-P			Ex d IIB T4 Gb
BExCBGL2-L2D		Ex d IIB T6 Gb	Ex d IIB T5 Gb
BExCBGL2-05D	Ex d IIB T5 Gb		Ex d IIB T4 Gb

<b>DUST</b>			
Ambient temp. max.	50 °C to +40 °C	-50 °C to 55 °C	-50 °C to 70 °C
BExCBG05-05D		Ex tb IIIC T100 °C Db	Ex tb IIIC T115 °C Db
BExCBG05-05D-P		Ex tb IIIC T115 °C Db	Ex tb IIIC T130 °C Db
BExCBGL2-L2D	Ex tb IIIC T65 °C Db	Ex tb IIIC T80 °C Db	Ex tb IIIC T95 °C Db
BExCBGL2-05D	Ex tb IIIC T95 °C Db	Ex tb IIIC T110 °C Db	Ex tb IIIC T125 °C Db

**Installation instructions**

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. NL/KEM/ExTR10.0032/02.

(17) **Special conditions for safe use**

In case of repair, contact the manufacturer for information on the dimensions of the flameproof joints.

The enclosure may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions that might cause a build-up of electrostatic charges on non-conducting surfaces.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/KEM/ExTR10.0032/02.