

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 00ATEX2006 X** Issue Number: **7**

(4) Product: **Electronic Beacons, Types BExBG05D(-P)(-SIL), BExBG10D(-P)(-SIL), BExBG15D(P)(-SIL), BExBG21D(-P), BExTBG05D(-P), BExBGL1D, BExBGL2D, BExBG05E(-P)(-SIL), BExBG10E(-P)(-SIL) and BExBG15E(-P)(-SIL)**

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

(6) Address: **Impress House, Mansell Road, London W3 7QH, United Kingdom**

(7) This product 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 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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/ExTR10.0005/05.

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

EN IEC 60079-0 : 2018
EN 60079-7 : 2015 + A1 : 2018

EN 60079-1 : 2014
EN 60079-31 : 2014

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



II 2 G Ex db IIC T6...T3 Gb
II 2 G Ex db eb IIC T5...T4 Gb
II 2 D Ex tb IIIC T60 °C...T200 °C Db

Date of certification: 23 December 2021

DEKRA Certification B.V.

L.G. van Schie
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 00ATEX2006 X**

Issue No. 7

(15) **Description**

Electronic Beacons, Types BExBG05D(-P)(-SIL), BExBG10D(-P)(-SIL), BExBG15D(-P)(-SIL), BExBG21D(-P), BExTBG05D(-P), BExBGL1D, BExBGL2D, BExBG05E(-P)(-SIL), BExBG10E(-P)(-SIL) and BExBG15E(-P)(-SIL) are used to provide visual warning signals.

The types with Suffix D consists of an aluminium enclosure in type of protection flameproof enclosures "db".

The types with Suffix E consists of an electronic compartment made of aluminium, in type of protection flameproof enclosures "db" and a terminal compartment made of aluminium, in type of protection increased safety "eb".

Both types with suffix D and suffix E satisfy dust ignition protection by enclosure "tb".

Types BExBGL1D and BExBGL2D with LED are provided with a plastic lens cover without any suffix and other types with xenon are provided with a glass dome or optionally with a plastic lens cover and given the suffix: -P to the type designation, e.g. BExBG21D-P.

Types BExBG05D, BExBG10D, BExBG15D, BExBG05E, BExBG10E and BExBG15E with a supply voltage of 24 Vdc have an optional monitoring module. For these the type designation is extended with -SIL, e.g. BExBG05D-P-SIL.

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

For more information see Annex 1 to Report No. NL/KEM/ExTR10.0005/05.

Installation instructions

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

(16) **Report Number**

No. NL/KEM/ExTR10.0005/05.

(17) **Specific conditions of use**

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.

Flameproof joints are not intended to be repaired.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/ExTR10.0005/05.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 00ATEX2006 X**

Issue No. **7**

(20) **Certificate history**

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|----------|---|-----------|--|
| Issue 1 | - | 6410100 | Initial certificate |
| Addendum | - | 209011400 | Change of potting material used in the line-bushing of the EEx de versions
Increase of the ambient temperature to +70 °C for all types
Removal of the prismatic lens of the non-LED versions |
| Addendum | - | 211859300 | Addition of Electronic Beacon Type BExBG21D |
| Issue 2 | - | 212737000 | Assessment in accordance with newer edition of standards:
EN 60079-0 : 2006, EN 60079-1 : 2007, EN 60079-7 : 2003,
EN 61241-0 : 2006 and EN 61241-1 : 2004 |
| Issue 3 | - | 218205100 | Addition of optional monitoring module to the 24 V Beacon types,
designation: ..-SIL |
| Issue 4 | - | 216785200 | Assessment in accordance with newer edition of standards:
EN 60079-0 : 2012, EN 60079-1 : 2007 and EN 60079-31 : 2014
Addition of new product variants BExBG05D-P, BExBG10D-P,
BExBG15D-P, BExBG21D-P, BExTBG05D-P, BExBG05D-P-SIL,
BExBG10D-P-SIL and BExBG15D-P-SIL with plastic lens cover
Removal of Ex e certified types |
| Issue 5 | - | 510005300 | Addition of new product Types BExBGL2D and BExCS110-L2D |
| Issue 6 | - | 510023100 | Assessment in accordance with newer edition of standards:
EN IEC 60079-0 : 2018 and EN 60079-1 : 2014 |
| Issue 7 | - | 510035400 | Introduction of types BExBG05E(-P)(-SIL), BExBG10E(P)(SIL) and
BExBG15E(P)(SIL)
Change in thermal data for types BExBG05D(-P)(-SIL),
BExBG10D(-P)(-SIL) and BExBG15D(-P)(-SIL) |