



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

Certificate No.:	IECEx KEM 10.0002X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2019-03-07)
Date of Issue:	2021-12-23		Issue 3 (2016-04-14)
Applicant:	European Safety Systems Ltd. Impress House, Mansell Road, London W3 7QH United Kingdom		Issue 2 (2015-09-25)
Equipment:	Electronic Beacons		Issue 1 (2015-04-24)
Optional accessory:			Issue 0 (2010-02-02)
Type of Protection:	Ex db, Ex db eb and Ex tb		
Marking:	Ex db IIC T6...T3 Gb or Ex db eb IIC T5...T4 Gb Ex tb IIIC T60 °C...T200 °C Db For details see Annex		

Approved for issue on behalf of the IECEx
Certification Body:

L.G. van Schie

Position:

Certification Manager

Signature:
(for printed version)

Date:

2021-12-23

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Manufacturer: **European Safety Systems Ltd.**
Impress House, Mansell Road, London W3 7QH
United Kingdom

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 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
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:

[NL/KEM/ExTR10.0005/05](#)

Quality Assessment Report:

[GB/SIR/QAR06.0020/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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 IEC 60079-0 and IEC 60529.

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- 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)

Annex:

[510035400-Annex 1 to ExTR10.0005.05.pdf](#)