



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx KEM 10.0003X

Issue No: 3

Certificate history:

Issue No. 3 (2019-02-14)

Issue No. 2 (2015-07-01)

Issue No. 1 (2015-04-24)

Issue No. 0 (2010-02-02)

Status: **Current**

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Date of Issue: **2019-02-14**

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

Equipment: **Electronic Sounders and Speakers**

Optional accessory:

Type of Protection: **Ex db and Ex tb**

Marking:
Ex db IIB or IIC T4 Gb or
Ex tb IIIC T100 °C or T115 °C Db

*Approved for issue on behalf of the IECEx
Certification Body:*

L.G. van Schie

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

2019-02-14

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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

Additional Manufacturing location(s):

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 apparatus 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

*This Certificate **does not** indicate compliance with electrical 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/ExTR10.0006/03](#)

Quality Assessment Report:

[GB/SIR/QAR06.0020/07](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Electronic Sounders types BExS110D(-SIL), BExS120D(-SIL), BExDS110D(-SIL) and BExDS120D(-SIL), Loudspeakers types BExL15D, BExL25D, BExDL15D and BExDL25D, Appello Speech Sounders types BExA110D, BExA120D, BExDA110D and BExDA120D, Sontel types BExTS110D and BExDTS110D, Hootronic Sounder types BExH120D and BExDH120D, Monitored Loudspeaker types BExL25GD and BExDL25GD, housed in aluminium enclosures in type of protection flameproof enclosure "d", are used to provide acoustic signals.

All types can be provided with a so called Radial horn, giving the addition of -R to the type designation, e.g. BExS110D-R.

The Sounder types, BExS110D, BExS120D, BExDS110D and BExDS120D with a supply voltage of 24 Vdc, have an optional monitoring module.

For these the type designation is extended with -SIL, e.g. BExS110D-R-SIL

For details about electrical and thermal data and marking see Annex 1 to this ExTR.

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 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):

- Assessment in accordance with newer edition of standards.
- Removal of the PG thread form for cable entries which can be alternatively applied to Ex tb.



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Additional information:

Annex:

[510023400-Annex 1.pdf](#)