

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 99ATEX6312 X** Issue Number: **5**

(4) Product: **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 and Monitored Loudspeaker, types BExL25GD and BExDL25GD**

(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/ExTR10.0006/03.

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

**EN 60079-0 : 2012 + A11 : 2013
EN IEC 60079-0 : 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 IIB or IIC T4 Gb
II 2 D Ex tb IIIC T100 °C or T115 °C Db**

Date of certification: 14 February 2019

DEKRA Certification B.V.

L.G. van Schie
Certification Manager



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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 99ATEX6312 X**

Issue No. 5

(15) **Description**

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.

The enclosure provides a degree of protection of IP66/IP67 per EN 60529.

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

Installation instructions

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

(16) **Report Number**

No. NL/KEM/ExTR10.0006/03.

(17) **Specific conditions of use**

The enclosure is non-conducting and 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 Test Report No. NL/KEM/ExTR10.0006/03.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 99ATEX6312 X**

Issue No. **5**

(20) **Certificate history**

Issue 1	-	9631200	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
Addendum	-	211859300	Addition of Hootronic Sounders Types BExH120D and BExDH120D
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	-	218205200	Addition of an optional monitoring module to the 24 V Sounder types; designation: -SIL b
Issue 4	-	216785000	Assessment in accordance with newer edition of standards: EN 60079-0 : 2012, EN 60079-1 : 2007 and EN 60079-31 : 2014 Addition of a differently shaped, radial horn Addition of alternative materials for the horns of the Ex tb certified Sounders Removal of Ex e certified types
Issue 5	-	510023400	Assessment in accordance with newer edition of standards: EN IEC 60079-0 : 2018 and EN 60079-1 : 2014 Removal of the PG thread form for cable entries