

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 03ATEX2545 X** Issue Number: **3**

(4) Product: **Electronic Sounder/Beacon Type BExCS110-05D-P**

(5) Manufacturer: **Pfannenberg GmbH**

(6) Address: **Werner-Witt-Straße 1, 21035 Hamburg, Germany**

(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 213833600 issue 2.

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

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 T5 or T4 Gb
II 2 D Ex tb IIIC T110 °C or T125 °C Db

Date of certification: 22 April 2021

DEKRA Certification B.V.

R. Schuller
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 03ATEX2545 X**

Issue No. 3

(15) **Description**

Electronic Sounder/Beacon Type BExCS110-05D-P, housed in aluminium enclosures in type of protection flameproof enclosure “db” and dust ignition protection by enclosure “tb”, are provided with a plastic dome cover and used to provide acoustic signals and visual warning signals.

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

Electrical data

Electronic Sounder/Beacon Type BExCS110-05D-P:

Supply voltage	12 Vdc	24 Vdc	48 Vdc	115 Vac	230 Vac
Sounder Current [mA]	195	265	130	110	56
Beacon Current [mA]	750	300	180	140	55

Marking and temperature ratings

The relation between the ambient temperature range and the marking is given in the table below.

Ambient temperature.	marking
-50 °C to +40 °C	Ex db IIB T5 Gb
-50 °C to +70 °C	Ex db IIB T4 Gb
-50 °C to +55 °C	Ex tb IIIC T110 °C Db
-50 °C to +70 °C	Ex tb IIIC T125 °C Db

Installation instructions

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

(16) **Report Number**

No. 213833600.

(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. 213833600, issue 2.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 03ATEX2545 X**

Issue No. **3**

(20) **Certificate history**

Issue 1 - 203803000	Initial certificate
Issue 2 - 213833600	Assessment in accordance with newer edition of standards.
Issue 3 - 510042400	Assessment in accordance with newer edition of standards Product types updated, Ex t added