



Certificate

(1) **EU - TYPE EXAMINATION CERTIFICATE**
in accordance with Directive 2014/34 / EU, Annex III, point 6



(2) **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres - Directive 2014/34/EU**

(3) EU - Type Examination Certificate Number: TÜV-A 20ATEX0102 X

(4) Product: Buzzer / Type AB1-S* -*****

(5) Manufacturer: Exepd GmbH

(6) Address: iPark Tauberfranken 23
D-97922 Lauda-Königshofen

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) TÜV AUSTRIA SERVICES GMBH, Notified Body number 0408, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that these products have 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 Report No. TUV-A 2020-TAD-000100_REV00.

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

EN IEC 60079-0:2018 EN 60079-18:2015/A1:2017

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 mb IIC T4 Gb



II 2 D Ex mb IIIC T 80°C Db

Vienna
Place

2020-07-24
Date


Michael Reuschel
Notified Body 0408
TÜV AUSTRIA SERVICES GMBH

Online Verification





(13)

Schedule

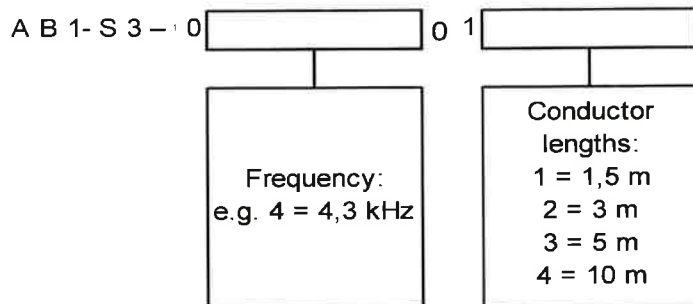
(14)

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(15) **Description of Product**

The Exepd buzzer type AB1-S*-***** is a ready-for-connection acoustic signal transmitter for warning and alarm signals for the intended use as equipment in hazardous areas of zone 1 / 21 and suitable for installation in enclosures of protection types "d", "e" and "t".

Type codes:



Technical data:

Electrical data:	
Rated voltage:	30 VDC
Permissible operating voltage range::	16 VDC - 30 VDC
Nominal voltage:	24 VDC
Short circuit current:	30 mA
Power P _{max.} :	1,0 W
Signal frequency (depending on model):	2 ... 5 kHz
Volume at 40 cm distance:	≥ 85 dBA
Electrical connection:	
Conductor cross-section:	2 x 0,5 mm ²

(16) **Report Number**

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(17) **Specific Conditions of Use**

(17.1) For the intended use in areas of gas group IIC, the device must be mounted with an additional protective cover to protect it from mechanical shocks. The protective device must meet the requirements of EN/ISO 60079-0 Table 15 b) high.

(17.2) The deviating temperature range $-40\text{ ° C} \leq T_{amb} \leq +60\text{ ° C}$ applies to the device.

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

Met by the standards mentioned above.

(19) **Drawings and Documents**

Document / Drawing no / File name/ Reference	Rev	Pages	Date	Description
TÜV-A 20ATEX0102 X	00	03	24.04.2020	EU-Type Examination Certificate
TUV-A 2020-TAD- 000100_REV00	00	08	16.07.2020	Associated test report
AB1-S3-YB0001	1	07	06.07.2020	Manual