

# EU-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: Presafe 17 ATEX 9535X Issue 0
- [4] Product: Loudspeaker
- [5] Manufacturer: Den Norske Høytalerfabrikk A/S
- [6] Address: Gruveveien 4  
N-3770 Kragerø  
Norway
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Presafe AS, notified body number 2460, 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 reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012/A11:2013, EN 60079-1:2014, EN 60079-18:2015 and EN 60079-31:2014
- [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 mb IIB+H2 T5 Gb	
	II 2 G	Ex db mb IIC T5 Gb	Tamb -50°C to +60°C
	II 2 D	Ex tb IIIC T84°C Db	



Date of issue:  
2018-09-28



Arne Hortman  
For DNV GL Presafe AS  
The Certificate has been digitally signed.  
See [www.presafe.com/digital\\_signatures](http://www.presafe.com/digital_signatures) for more info

*This certificate may only be reproduced in its entirety and without any change, schedule included.*

[13] **Schedule**

[14] **EU-TYPE EXAMINATION CERTIFICATE No.:** Presafe 17 ATEX 9535X Issue 0

[15] **Description of Product**

This Certificate covers a loudspeaker with encapsulated transformer and terminals and fixed cable. T in the designation indicates design with transformer.  
For IIC sintered metal of stainless steel, type SIKA-R 200 is used.  
For IIB +H<sub>2</sub> sintered metal of bronze, type SIKA-B 200 is used.

**Type designation**

HS-15EExmNMF(T)

**Electrical Data**

Max. 15W, 100V, 200-20000Hz

**Ambient temperature:**

-50°C to +60°C

**Routine tests**

- Visual inspection according to clause 9.1 of EN 60079-18.
- Dielectric strength test at 1500V AC according to clause 9.2 of EN 60079-18.

[16] **Report No.:** D0002292

[17] **Specific Conditions of Use**

The cable must be securely clamped to prevent damage from flexing or bending.

[18] **Essential Health and Safety Requirements**

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9

**[19] Drawings and documents**

Number	Title	Rev.	Date
2733	HS-15EExmNMF/T	1	Nov. 2016
2733	HS-15EExmNMF(T)	0	Oct. 2017

**[20] Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue This certificate replaces Nemko 98ATEX201.	2018-09-28	D0002292

END OF CERTIFICATE