

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **DNV 22 ATEX 47736X** **Issue 0**

[4] Product: **Loudspeaker**

[5] Manufacturer: **DNH AS**

[6] Address: **Grueveien 2-6
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 Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 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 item 16.


[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 60079-7: 2015/A1:2018 and EN 60079-18: 2015/A1:2017.**

Where additional criteria beyond those given here have been used, they are listed at item 18 in 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" listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. 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:

DSP-25 EexmN(T)		II 2 G	Ex db eb mb IIB+H2/IIC T5 Gb	-50°C ≤ Ta +55°C
DSP-25 EexmNC(T)		II 2 G	Ex db eb mb IIB+H2/IIC T5 Gb	-20°C ≤ Ta +40°C



Date of issue:
2023-10-02



Bjørn Spongsveen
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info





[13] **Schedule**

[14] **EU-Type Examination Certificate No:** DNV 22 ATEX 47736X **Issue 0**

[15] **Description of Product**

This Certificate covers a loudspeaker. T in the designation indicates design with transformer. C indicates that Cabelec plastic is used for enclosure. For IIC sintered metal of stainless steel, type SIKA-R 200 is used. For IIB +H2sintered metal of bronze, type SIKA-B 200 is used.

Type designation

DSP-25EExmN(T)	 II 2G Ex db eb mb IIB+H2 T5 Gb	$-50^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$	150 – 20000Hz
DSP-25EExmN(T)	 II 2G Ex db eb mb IIC T5 Gb	$-50^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$	150 – 20000Hz
DSP-25EExmNC(T) Alternative plastic enclosure	 II 2G Ex db eb mb IIB+H2 T5 Gb	$-20^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}$	150 – 20000Hz
DSP-25EExmNC(T) Alternative plastic enclosure	 II 2G Ex db eb mb IIC T5 Gb	$-20^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}$	150 – 20000Hz

Electrical Data

Voltage: 100V

Current: 250mA

Power: 25W

Variants: With encapsulated e-chamber and permanent cable (DSP-25EExmNMF(T)).

With moulded monitoring card (DSP-25EExmMN(T)).

Degrees of protection (IP Code)

IP 66

Routine tests

Visual inspection according to EN 60079-18 clause 9.1

Dielectric strength test according to EN 60079-18 clause 9.2

[16] **Report No.:** 402243

[17] **Specific Conditions of Use**

1. The loudspeaker shall only be installed in areas where there is a low risk of impact.
2. When the bracket of the loudspeaker is mounted onto the construction, the bracket must be connected to earth potential through the construction.

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

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

Number	Title	Rev.	Date
2501	*DSP-25EExmN(T) Alternative models	04	2023-09-20
2501	DSP-25EExmNT	3	04.05.2015
1188-A4-G	LMC170 Variant beskrivelser	G	04.05.2015

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Update to latest standard. Replace the Nemko 10ATEX1053X.	2023-10-02	402243

END OF CERTIFICATE

