



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX DNV 22.0061X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-10-02

Applicant: **DNH AS**
Grueveien 4-6
3770 Kragerø
Norway

Equipment: **DSP-25 EEx**

Optional accessory:

Type of Protection: **Ex d e m**

Marking: DSP-25EExmN(T) Ex db eb mb IIB+H2/IIC T5 Gb -50°C ≤ Ta +55°C
DSP-25EExmNC(T) Ex db eb mb IIB+H2/IIC T5 Gb -20°C ≤ Ta +40°C

Approved for issue on behalf of the IECEx
Certification Body:

Bjørn Spongsveen

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Date of issue: 2023-10-02

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Manufacturer: **DNH AS**
Grueveien 4-6
3770 Kragerø
Norway

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NO/DNV/ExTR23.0057/00](#)

Quality Assessment Report:

[NO/NEM/QAR08.0003/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

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