



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx NEM 11.0015X Issue No: 2 Certificate history:
Status: **Current** Page 1 of 4 Issue No. 2 (2015-07-03)
Date of Issue: **2015-07-03** Issue No. 1 (2013-04-19)
Applicant: **DNH AS** Issue No. 0 (2011-06-06)
Grueveien 2-6
3770 Kragerø
Norway
Electrical Apparatus: **Loudspeaker: DSP-25EExmN(T)**
Optional accessory:
Type of Protection: **d e mb**
Marking: DSP-25EExmN(T): Ex d e mb IIB+H2/IIC T5 Gb -50°C ≤ Ta ≤ +55°C
DSP-25EExmNC(T) Alternative plastic: Ex d e mb IIB+H2/IIC T5 Gb -20°C ≤ Ta ≤ +40°C

Approved for issue on behalf of the IECEx
Certification Body:

Arne Hortman

Position:

Certification Manager, Ex-products

Signature:
(for printed version)

Date:

2015-07-03

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

NEMKO
Gautadelleen 30
Oslo N-0314
Norway





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Manufacturer: **DNH AS**
Grueveien 2-6
3770 Kragerø
Norway

Additional Manufacturing
location(s):

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-18 : 2009 Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/NEM/ExTR11.0011/00](#)

[NO/NEM/ExTR11.0011/01](#)

[NO/NEM/ExTR11.0011/02](#)

Quality Assessment Report:

[NO/NEM/QAR08.0003/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 +H₂ sintered metal of bronze, type SIKA-B 200 is used.

Ratings:

Voltage: 100V, **Current:** 250mA, **Power:** 25W, **Ingress Protection Code:** IP66

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

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

With alternative plastic enclosure the ambient temperature is: $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

CONDITIONS OF CERTIFICATION: 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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

- New compound for cemented joint around the magnet and moulding.
- Update to IEC 60079-0: 2011 and IEC 60079-1: 2014.
- Thermal fuses limits the temperature to 84°C.
- "Condition of certification" is updated.