



# 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](http://www.iecex.com)

Certificate No.: IECEx NEM 11.0024 issue No.: 0 Certificate history: \_\_\_\_\_

Status: **Current**

Date of Issue: 2011-10-24 Page 1 of 3

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

Electrical Apparatus: **Loudspeaker**  
Optional accessory:

Type of Protection: **Non-sparking device nA and protection by enclosure tc**

Marking: **Ex nA II T6 Gc -50°C ≤ Ta ≤ +50°C**  
**Ex tc IIIC T79°C -50°C ≤ Ta ≤ +50°C**

Approved for issue on behalf of the IECEx  
Certification Body:

Arne Hortman

Position:

Principal Engineer

Signature:  
(for printed version)



Date:

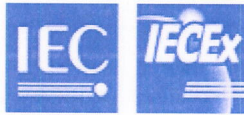


1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**NEMKO**  
Gaustadalleen 30  
Oslo N-0314  
Norway





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

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:

- |   |   |
|---|---|
| <b>IEC 60079-0 : 2007-10</b><br>Edition: 5  | Explosive atmospheres - Part 0: Equipment - General requirements  |
| <b>IEC 60079-15 : 2005-03</b><br>Edition: 3 | Electrical apparatus for explosive gas atmospheres Part 15: Construction, test and Marking of Type of Protection "n" electrical apparatus |
| <b>IEC 60079-31 : 2008</b><br>Edition: 1    | Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  |

*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/ExTR11.0023/00](#)

Quality Assessment Report:  
[NO/NEM/QAR08.0003/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

This certificate covers a loudspeaker for use in Zone 2.  
Type Designation: HS-15EExIIN/T  
Technical Data: Voltage: 100V, Power: 15W, Freq: 150-20000Hz  
Ingress Protection Code: IP67 according to IEC 60529

### CONDITIONS OF CERTIFICATION: NO