



# 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 PRE 17.0010X

Issue No: 0

Certificate history:

[Issue No. 0 \(2018-09-28\)](#)

Status: **Current**

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Date of Issue: **2018-09-28**

Applicant: **DNH AS**  
Gruveveien 4  
N-3770 Kragerø  
**Norway**

Equipment: **HS-15EEExnNMF(T)**

*Optional accessory:*

Type of Protection: **flameproof "db", encapsulated "mb", dust protected "tb"**

Marking:

Ex db mb IIB+H2 T5 Gb  
Ex db mb IIC T5 Gb  
Ex tb IIIC T84°C Db  
-50°C ≤ Ta ≤ +60°C

*Approved for issue on behalf of the IECEx  
Certification Body:*

Arne Hortman

*Position:*

Certification Manager

*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](#).

Certificate issued by:

**DNV GL Nemko Presafe AS**  
Veritasveien 3  
1363 Høvik  
Norway





# IECEX Certificate of Conformity

Certificate No: IECEX PRE 17.0010X Issue No: 0  
Date of Issue: 2018-09-28 Page 2 of 3  
Manufacturer: **DNH AS**  
Gruveveien 4  
N-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 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 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-18 : 2014</b> Edition:4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
<b>IEC 60079-31 : 2013</b> Edition:2	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/PRE/ExTR17.0011/00](#)

Quality Assessment Report:

[NO/NEM/QAR08.0003/08](#)



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## Schedule

### EQUIPMENT:

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

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

### Electrical Data:

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

### Ambient temperature:

-50°C to +60°C

### SPECIFIC CONDITIONS OF USE: YES as shown below:

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