



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 05.0005** Issue No.: **0**

Status: **Current**

Date of Issue: **2006-07-03** Page 1 of 3

Applicant: **DNH A/S**
 Gruveveien 4
 N-3770 Kragerø
 Norway

Electrical Apparatus: **Loudspeaker**
 Optional accessory:

Type of Protection: **Ex de / Ex dema IIB + H2 / IIC T4**

Marking: **DSP-15EEExN(T) :**
Ex de IIB + H2 T4 or alt. Ex de IIC T4
DSP-15EEExmN(T):
Ex dema IIB + H2 T4 or alt. Ex dema IIC T4
 Ta: -50°C to 55°C

Approved for issue on behalf of the IECEx
 Certification Body:

P.P. Rolf Hoel

Position:

Certification Manager

Signature:
 (for printed version)

Ann Hoffman

Date:

2006-07-03

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.

Certificate issued by:

NEMKO
 Gaustadalleen 30
 Oslo N-0314
 Norway





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Manufacturer: **DNH A/S**
 Gruveveien 4
 N-3770 Kragere
 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 manufacture'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 : 2000 Edition: 3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-18 : 2004 Edition: 2.0	Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: 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

IECEX ATR:
NO/NEM/05/63165

File Reference:
63165



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Loudspeaker with or without transformer. T in the type designation indicates design with transformer. Terminal and transformer in Ex e-enclosure. Transformer may be encapsulated in Ex e-enclosure.

Flameproof enclosure has sinter metal in sound opening and cemented joints.

The loudspeaker has sintered metal of bronze for use in gas group IIB + H₂ or alternatively stainless steel for use in gas group IIC. Ambient temperature, Ta: -50°C to 55°C

Type:	Ex code:	Rating:
DSP-15EExeN(T)	Ex de IIB + H ₂ T4 or alt. Ex de IIC T4	15W, 150-20000Hz
DSP-15EExeN(T)	Ex de IIB + H ₂ T4 or alt. Ex de IIC T4	25W, 150-20000Hz
DSP-15EExmN(T)	Ex dema IIB + H ₂ T4 or alt. Ex dema IIC T4	15W, 150-20000Hz
DSP-15EExmN(T)	Ex dema IIB + H ₂ T4 or alt. Ex dema IIC T4	25W, 150-20000Hz

CONDITIONS OF CERTIFICATION: NO

Schedule of limitations