



国家防爆

Electrical Apparatus for Explosive Atmospheres

CERTIFICATE OF CONFORMITY

Cer. No.: CNEx11.3478X

Manufacturer DNH AS
(Add: Grueveien 2-6 3700 Krangerø Norway)

Name of Product Loudspeaker

Type of Product DSP-15EE_x

Marking ExdembIIB+H₂/IIC T4 Gb, DIP A21 T_A, T127°C -50°C ≤T_a ≤+40°C
ExdembIIB+H₂/IIC T4 Gb, DIP A21 T_A, T105°C -50°C ≤T_a ≤+50°C

Standard —

Drawing No. 2206

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

- GB3836.1-2010 Explosive atmospheres Part 1: Equipment-General requirements
- GB3836.2-2010 Explosive atmospheres Part 3: Equipment protection by flameproof enclosure "d"
- GB3836.3-2010 Explosive atmospheres Part 3: Equipment protection by increased safety "e"
- GB3836.9-2006 Electrical apparatus for explosive gas atmospheres - Part 9: Encapsulation "m"
- GB12476.1 -2000 Electrical apparatus for use in the presence of combustible dust - Part 1-1: Electrical apparatus protected by enclosure and surface temperature limitation - Specification for apparatus

Note See Annex.

Valid Date Dec 13, 2011 to Dec 12, 2016

Issue Date Dec 13, 2011

Director



CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE
FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

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1. Detailed Ex marking for the four type of this product:

DSP-15EExmNs(T): ExdembIIB+H₂/IIC T4 Gb, DIP A21 T_A, T127°C -50°C ≤ Ta ≤ +40°C 220-20000Hz

DSP-15EExmNmS(T): Exdemb IIB+H₂/IIC T4 Gb, DIP A21 T_A, T127°C -50°C ≤ Ta ≤ +40°C 220-20000Hz

DSP-15EExmN(T): Ex dembIIB+H₂/IIC T4 Gb, DIP A21 T_A, T105°C -50°C ≤ Ta ≤ +50°C 150-20000Hz

DSP-15EExmNM(T): ExdembIIB+H₂/IIC T4 Gb, DIP A21 T_A, T105°C -50°C ≤ Ta ≤ +50°C 150-20000Hz

2. 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.

3. Voltage: 100V. Current, max.: 0,25A

4. Ingress protection: IP66 and IP67.

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