



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 PRE 15.0008X Issue No: 0 Certificate history:
Issue No. 0 (2015-08-26)

Status: **Current** Page 1 of 3

Date of Issue: **2015-08-26**

Applicant: **DNH A/S**
Gruveveien 2-4
3770 Kragerø
Norway

Electrical Apparatus: **Beacon**
Optional accessory:

Type of Protection: **d e**

Marking:
Ex d e IIC T4 Gb $-50^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$
Ex d e IIC T3 Gb $-50^{\circ}\text{C} \leq \text{Ta} \leq +58^{\circ}\text{C}$
IP66 according to IEC 60529

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

Bjørn Spongsveen

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

Certificate issued by:

DNV Nemko Presafe AS
Gautstadalleen 30
P.O.Box 73 Blindern
0314 Oslo
Norway





IECEx Certificate of Conformity

Certificate No: IECEx PRE 15.0008X Issue No: 0
Date of Issue: 2015-08-26 Page 2 of 3
Manufacturer: **DNH A/S**
Gruveveien 2-4
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 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
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/PRE/ExTR15.0010/00](#)

Quality Assessment Report:

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



IECEX Certificate of Conformity

Certificate No: IECEx PRE 15.0008X

Issue No: 0

Date of Issue: 2015-08-26

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The equipment, BS-21ExeN, is a beacon light for stationary mounting.

The equipment consists of a flameproof enclosure where the xenon lamp and electronics are mounted. There are certified terminals for connections inside the Ex "e" compartment. A certified bushing is mounted between the Ex "e" and Ex "d" compartments.

There are two different versions of the beacon. One edition for use with DC voltage and one edition for use with AC voltage.

24VDC - 48VDC & 2,9A - 1,9A

115VAC - 230VAC & 0,7A - 0,5A

CONDITIONS OF CERTIFICATION: YES as shown below:

- The equipment was impact tested according to the low risk of mechanical danger and must be protected accordingly against high level of impact.

- When mounting the product in vertical position it must be ensured that the "e" enclosure is pointing downwards.

- According to the certificates, for Weidmüller terminals, IECEx SIR 05.0035U, IECEx SIR 05.0036U and IECEx SIR 05.0037U the terminals shall only be installed and wired with cable in an ambient temperature of -10°C to +58°C.

- All terminal screws, used and unused, shall be tightened with a torque between:

IECEX SIR 05.0035U / BK: 0,5Nm and 0,7Nm

IECEX SIR 05.0036U / MK3: 0,4Nm and 0,45Nm

IECEX SIR 05.0037U / MK6: 1,2Nm and 2Nm