

EC-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC
- [3] EC-Type Examination Certificate Number: Presafe 15 ATEX 6138X Issue 0
- [4] Equipment or Protective System: Beacon light
- [5] Applicant – Manufacturer or Authorized representative: DNH A/S
- [6] Address: Gruveveien 2-4
3770 Kragerø
Norway
- [7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV Nemko Presafe AS, notified body number 2460 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential reports listed in section 14.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0: 2012, EN 60079-1: 2007 and EN 60079-7: 2007.
- [10] If the sign “X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- [11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protected system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.
- [12] The marking of the equipment or protective system shall include the following:

 II 2G Ex d e IIC T3 Gb $-50^{\circ}\text{C} \leq \text{Ta} \leq +58^{\circ}\text{C}$

 II 2G Ex d e IIC T4 Gb $-50^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$

Bjørn Spongsveen
For DNV Nemko Presafe AS
Information on electronic signature www.presafe.com



Date of issue: 2015-08-26

EC-Type Examination Certificate

[13] **Schedule**

[14] EC-TYPE EXAMINATION CERTIFICATE No.: Presafe 15 ATEX 6138X Issue 0

Certificate History

Issue	Description	Report no.	Issue date
0	Original issue	D0001175	2015-08-26

[15] **Description of Equipment or Protective System**

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 an Ex "e" compartment. There is a bushing between the Ex "d" and Ex "e" compartment.

One edition for use with DC voltage and one edition for use with AC voltage.

Type Identification

BS-21ExeN

Electrical Data

24VDC – 48VDC, 2,9A – 1,9A

115VAC – 230VAC, 0,7A – 0,5A

Degrees of protection (IP Code)

IP66

[16] Project No.: D0001175

Descriptive Documents

Number	Title	Rev.	Date
2506	BS-21ExeN 24V/48VDC or 110V/230VDC	-	2015-02
2506	BS-21ExeN EX-stykkliste	-	2015-02

Routine test:

A dielectric strength test shall be carried out in accordance with clause 6.1.b.3 of EN 60079-7: 2007.

EC-Type Examination Certificate

[17] Special Conditions for Safe Use

- 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 Ex- e enclosure is pointing downwards.
- According to certificates, for Weidmüller terminals, SIRA 01ATEX3247U, SIRA 01ATEX3248U and SIRA 01ATEX3249U 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:
 - Sira 01ATEX3247U / BK: 0,5Nm and 0,7Nm
 - Sira 01ATEX3248U / MK3: 0,4Nm and 0,45Nm
 - Sira 01ATEX3249 / MK6: 1,2Nm and 2Nm

[18] Essential Health and Safety Requirements

See part 9 of this certificate

END OF CERTIFICATE