



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 16.0051X Issue No: 0 Certificate history:
Issue No. 0 (2016-12-21)

Status: **Current** Page 1 of 5

Date of Issue: **2016-12-21**

Applicant: **Combustion and Energy Srl**
Via Per Dolzago, 21
23848 Oggiono (LC)
Italy

Equipment: **Explosion proof alarm beacon & flashing light – L810-LXS-SS-Ex / L810-LXS-GRP-Ex**

Optional accessory:

Type of Protection: **Flameproof and dust ignition protection by enclosure**

Marking:
Flameproof and dust ignition protection by enclosure.
Ex db IIC T4 Gb (Tamb=-40°C~+70°C)
Ex db IIC T5 Gb (Tamb=-40°C~+60°C)
Ex db IIC T6 Gb (Tamb=-40°C~+55°C)
Ex tb IIIC T135°C Db (Tamb=-40°C~+70°C)
Ex tb IIIC T100°C Db (Tamb=-40°C~+60°C)
Ex tb IIIC T85°C Db (Tamb=-40°C~+55°C)

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

Asle Kaastad

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:



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





IECEx Certificate of Conformity

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Manufacturer: **Combustion and Energy Srl**
Via Per Dolzago, 21
23848 Oggiono (LC)
Italy

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 : 2014-06 Edition:7.0 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 60079-31 : 2013 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/ExTR16.0088/00](#)

Quality Assessment Report:

[FR/INE/QAR13.0007/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This certificate covers Beacon light with enclosures made of two different materials. L810-LXS-SS-Ex is stainless steel and L810-LXS-GRP-Ex is GRP. The product is made up of; Main body and front-cover, connected together by a spigot joint. A glass dome is installed in the front-cover by using a cemented joint. Inside the enclosures it is installed different PCB, terminals and light sources.

Ingress Protection Code: IP66

CONDITIONS OF CERTIFICATION: YES as shown below:

Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 2 and 3 of EN/IEC 60079-1.



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Additional information:

Routine tests:

A routine pressure test according to EN 60079-1 clause 16 shall be carried out on all enclosures with the following pressures:

L810-LXS-SS-Ex 1.2MPa

L810-LXS-GRP-Ex 1.2MPa