

INERIS

INSTITUT NATIONAL DE L'ENVIRONNEMENT
INDUSTRIEL ET DES RISQUES

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- (2) **Equipment and protection systems intended for use in potentially explosive atmospheres
Directive 94/9/EC**

(1) **EC-TYPE EXAMINATION CERTIFICATE**

- (3) Number of the EC type examination certificate: **INERIS 01ATEX0039 X**

- (4) Protection apparatus or system:

LIGHTING FIXTURE TYPE EVO

- (5) Manufacturer: **FEAM**
(6) Address: **Via M. Pagano, 3
20090 TREZZANO SUL NAVIGLIO (MI)
ITALY**

- (7) This protection system or equipment and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents quoted in this annex.

- (8) The INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/CE 23th March 1994, certifies that this protection system or equipment fulfills the Essential of Health and Safety Requirements relating to the design and construction of equipments and protection systems intended for use in potentially explosive atmospheres, described in appendix II of the Directive.

The examinations and the tests are consigned in official report N°16082/01.

- (9) The respect of the Essential Health and Safety Requirements is ensured by:


- conformity with:

EN 50 014 of June 1997 + A1 and A2
EN 50 018 of August 1994
EN 50281-1-1 of September 1998

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

- (10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protection system is subjected to the special conditions for safe use, mentioned in the annex of this certificate.

- (11) This EC type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- (12) The marking of the equipment or the protection system will have to contain:

 II 2 GD

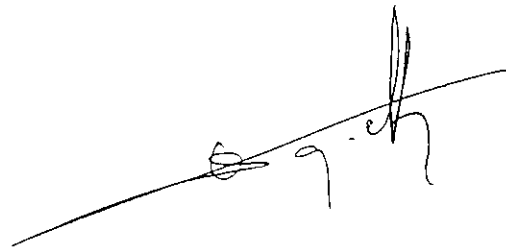
EEx d IIC T3 IP66 T200°C

Verneuil-en-Halatte, 2001 08 07

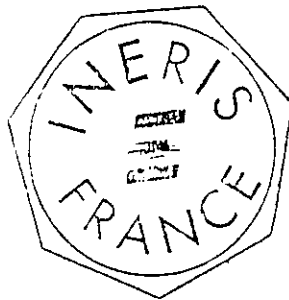


X. LEFEBVRE

Engineer at the Laboratory of Certification of
Materials ATEX



Director of the Certifying Body,
By delegation
B. PIQUETTE
Deputy manager of Certification



(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 01ATEX0039 X

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM

Lighting fixture in light metal alloy made of a body closed by a cover fitted with a glass of thickness 8 mm.

PARAMETERS RELATING TO THE SAFETY


Maximum Supply voltage : 280 V(AC)

Authorized Maximal powers and characteristics of the lamps :

- Halogen lamp : 100 W
- Incandescent lamp : 100 W

MARKING

Marking must be readable and indelible; it must comprise the following indications:

- FEAM
Via M. Pagano, 3
20090 TREZZANO SUL NAVIGLIO (MI)
ITALY
- EVO
- INERIS 01ATEX0039 X
- (Serial number, if any)
- (year of construction)
-  II 2 GD
- EEx d IIC T3
- IP66 T200°C
- T.Amb : -20°C to 52°C
- BEFORE OPENING, WAIT 10 MINUTES
- Tcable=139°C (Tamb=40°C)
- Tcable=150°C (Tamb=52°C)

The whole of marking can be carried out in the language of the country of use.

The protection apparatus or system must also carry the marking normally envisaged by the standards of construction which relate to it.

ROUTINE EXAMINATIONS AND TESTS

Each example of the equipment hardware defined above must have successfully passed before delivery an overpressure test in accordance with section 16.1 of standard EN 50 018, of a period comprised between 10 and 60 secondes under 11.5 bar performed for flame-proof compartment

(16) DESCRIPTIVE DOCUMENTS

The technical report is composed of the documents quoted hereafter, constituting the descriptive file of the apparatus, object of this certificate.

- Technical Note N.NT-006/ATEX rev.0 and annex (8 sheets) dated on 2001.05.14 and signed on 2001.08.01
- Plan n° AC-006/ATEX (2 sheets) dated on 2001.05.14 and signed on 2001.08.01

(17) SPECIAL CONDITIONS FOR SAFE USE

For the resistance to impact, the luminary can insure a low protection, the user shall insure an supplementary protection in case of heavy mechanical risk.

(18) ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

The respect of the Essential Health and Safety Requirements is ensured by:

- conformity to the European standards EN 50 014, EN 50 018 and EN 50 281-1-1
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

ADDITION

(3) INERIS 01ATEX0039X/01

(4) LIGHTING FIXTURE TYPE EVO

(5) Made by FEAM

(15) PURPOSE OF THE ADDITION

- Application of new standards:
EN 60079-0 : 2006 EN 60079-1 : 2004
EN 61241-0 : 2006 EN 61241-1 : 2004
- Increased of ambient temperature from 52°C to 55°C.


PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

MARKING


The marking is modified as follows:

A - Lighting fixture for ambient temperature 40°C:

FEAM
I-20090 Trezzano sul Naviglio
EVO
INERIS 01ATEX0039X
(Serial number)
(Year of construction)
 II 2 GD
Ex d IIC T3
Ex tD A21 IP66 T200°C
T. cable : 139°C

WARNINGS : DO NOT OPEN WHEN ENERGIZED
AFTER DE-ENERGIZED WAIT 10 MINUTES BEFORE OPENING

B - Lighting fixture for ambient temperature 55 °C:

FEAM
I-20090 Trezzano sul Naviglio
EVO
INERIS 01ATEX0039X
(Serial number)
(Year of construction)
 II 2 GD
Ex d IIC T3
Ex tD A21 IP66 T200°C
T.Amb : -20°C +55°C
T. cable : 150°C

WARNINGS : DO NOT OPEN WHEN ENERGIZED
AFTER DE-ENERGIZED WAIT 10 MINUTES BEFORE OPENING

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are modified as follows :

In accordance with clause 16.1 of the EN 60079-1 standard each apparatus defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 11.5 bar.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation describing the modification of the equipment, subject of this present addition.

Certification file n° 07-09 (3 rubrics)

signed on 2009.03.05

(17) SPECIAL CONDITIONS FOR SAFE USE

The special condition for safe use is unchanged.

(18) **ESSENTIAL SAFETY AND HEALTH REQUIREMENTS**

The respect of the Essential Health and Safety Requirements is completed as follows:

- Conformity to the standards quoted on page 1, clause (15).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2009 04 06



Director of the Certifying Body,
By delegation
T. HOUEIX
Certification Officer
Certification Division