

ATTESTATION PRODUIT ATEX

ATEX PRODUCT CERTIFICATION

LUMINAIRE – LIGHT FITTING

FRANKLIN (TFSe DNA)

Attestation d'examen CE de type pour luminaire ATEX de type TFSe DNA (FRANKLIN)
EC type examination certificate for ATEX light fitting type TFSe DNA (FRANKLIN)

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Document n° : INERIS 03ATEX0201

Certificat émis par / Issued by : INERIS

Date : 2003/12/12

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Document n° : INERIS 03ATEX0201/01

Certificat émis par / Issued by : INERIS

Date : 2009/11/24

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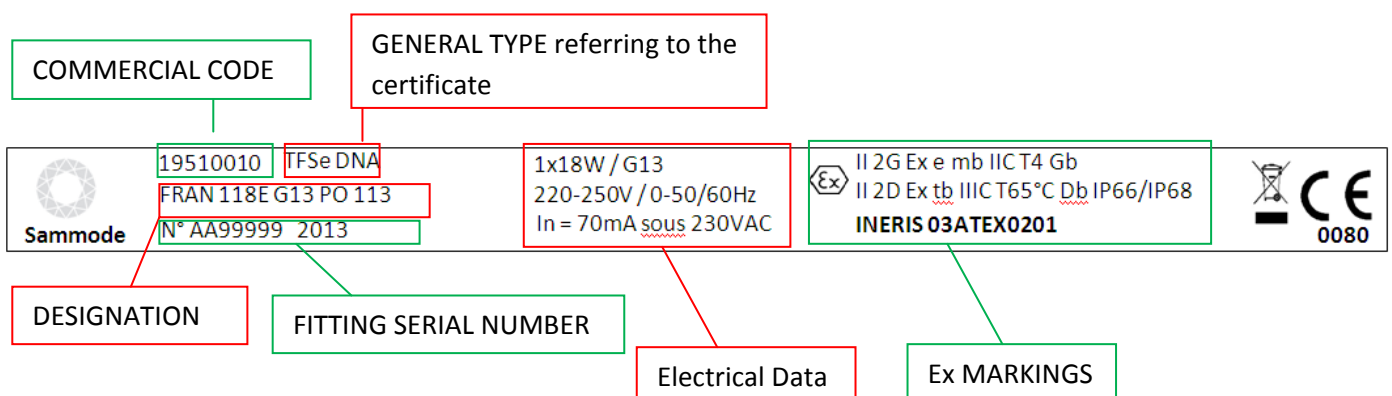
Document n° : INERIS 03ATEX0201/02

Certificat émis par / Issued by : INERIS

Date : 2013/09/04

Marquage/Marking :

Chaque luminaire porte une étiquette faisant référence au certificat ATEX, par exemple :
Each fitting must have a label with reference to the ATEX certificate, as example :





- (2) **Equipment and protective 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 03ATEX0201**

- (4) Protective system or equipment:

LIGHTING APPARATUS FOR FLUORESCENT LAMPS TYPE LFS_eDNA...
(The points are replaced by numbers and or number and letters corresponding to manufacturing variation)

- (5) Manufacturer: **SAMMODE**

- (6) Address: **125, rue du chemin Vert
F- 75011 PARIS**

- (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/EC of the 23rd March 1994, certifies that this protection system or equipment fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment 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°48497/03.

- (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 50 017	of september	1998
EN 50 019	of July	2000
EN 50 028	of February	1987
EN 50 0281-1-1	of september	1998 + A1

- 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 G
and/or  II 2 D

EEx eq IIT5 or EEx em II T4

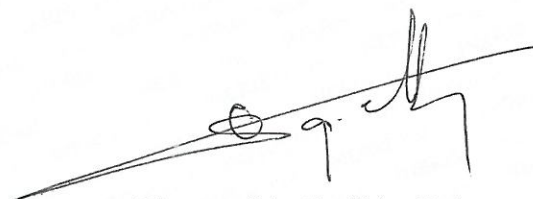
IP65 T65°C

Verneuil-en-Halatte, 2003 12 12



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 03ATEX0201

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM

The lighting apparatus protected by increased safety fitted with the internal component indicated on the descriptive documents.

This equipment presents degrees of protection IP65 according to European standard EN 60 529.

PARAMETERS RELATING TO THE SAFETY

Maximum supply voltages : 254 V (AC)
Frequencies : 50/60/0 Hz

This equipment is provided for the following lamps :

1 x 18 watts or 20 watts	2 x 18 watts or 20 watts
1 x 36 watts or 40 watts	2 x 36 watts or 40 watts
1 x 58 watts or 65 watts	2 x 58 watts or 65 watts

MARKING

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

A/ When lighting apparatus is fitted with ballast type PCX...E001 code EEx me II T5 or EEx me IIT5 - EC Type examination certificate NEMKO 03ATEX062U or When lighting apparatus is fitted with ballast type type HFX .58 E003 type HFXE004 code EEx me IIT5 - EC Type examination certificate NEMKO 03ATEX204U

SAMMODE
F- 75011 PARIS
TFSe DNA ... (1)
INERIS 03ATEX0201
(Serial number)
(year of construction)

Ⓔ II 2 G EEx em II T5
and/or

Ⓔ II 2 D IP65 T65°C
(nominals voltage and current or type of lamp)

- DO NOT OPEN WHEN ENERGIZED

- DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

B/ When lighting apparatus is fitted with ballast type PCX....E10 code
EEx qe II - certificate PTB01ATEX1048U

SAMMODE

F- 75011 PARIS

TFSe DNA ... (1)

INERIS 03ATEX0201

(Serial number)

(year of construction)

⊕ II 2 G EEx eq II T5

and/or

⊕ II 2 D IP65 T65°C

T.Amb : -20°C to 50°C

(nominals voltage and current or type of lamp)

- DO NOT OPEN WHEN ENERGIZED

- DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- (1) The points are replaced by numbers or number and letters corresponding to manufacturing variation.

The whole 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

According to 7.1 of the EN 50 019 standard, each example of the increased safety part of the equipment must undergo a dielectric strength test, carried out in accordance with clause 6.

(16) DESCRIPTIVE DOCUMENTS

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

- Certification File n°415469 ind A (2 pages) on 2003.08.26
signed on 2003.08.26 (14 ITEMS)

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions are defined in the instructions.

(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, 50 017, 50019, 50028 and EN 50 0281-1-1.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

ADDITION

(3) INERIS 03ATEX0201/01

(4) FLUORESCENT TUBE LIGHTING EQUIPMENT TYPE TFSe DNA...

(5) Made by SAMMODE

(15) PURPOSE OF THE ADDITION

Application of the standards EN 60079-0 : 2006, EN 60079-7 : 2003, EN 60079-18 : 2004, EN 60079-1 : 2004, EN 61241-0 : 2006 and EN 61241-1 : 2004.

Modification of the température classification from T5 to T4 according to § 14.5 of EN 60079-14.

This equipment can be fitted with the following equipment and components:

- ballast type HFX... E1003 or HFX... E1004 certified NEMKO 07ATEX1059U or NEMKO 09ATEX1103U.
- ballast type 6042/9...- certified PTB 03ATEX2140U

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follow :

Maximum supply voltages :

- 250 V or 127 V for the version fitted with the ballast type HFX... E1003 or HFX... E1004
- 240 V for the version fitted with the ballast type 6042/9

Frequencies : 50 / 60 / 0 Hz

This equipment can be provided for the following lamps:


1 x 18 watts	2 x 18 watts
1 x 36 watts	2 x 36 watts
1 x 58 watts	2 x 58 watts

MARKING

The marking is modified as follow :

SAMMODE
F- 75011 PARIS
TFSe DNA... (1)
INERIS 03ATEX0201
(Serial number)
(Year of construction)
Tamb : -20°C to +50°C
(nominals voltage and current or type of lamp)

- For version II 2 G fitted with a ballast type HFX... E1003 or HFX... E1004 :

 II 2 G Ex e mb II T4

WARNINGS :

POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- For version II 2 G fitted with a ballast type 6042/9...- :

 II 2 G Ex d e IIC T4


WARNINGS :

POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- For version II 2 G and II 2 D fitted with a ballast type HFX... E1003 or HFX... E1004 :

 II 2 G Ex e mb II T4

and

 II 2 D Ex tD A21 IP65 T65°C


WARNINGS :

POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- for version II 2 G and II 2 D fitted with a ballast type 6042/9...- :

 II 2 G Ex d e IIC T4

and

 II 2 D Ex tD A21 IP65 T65°C

WARNINGS :

POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- For version II 2 D :

 II 2 D Ex tD A21 IP65 T65°C

WARNINGS :

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- (1) The points are replaced by numbers or number and letters corresponding to manufacturing variation.

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are modified as follow :

- In accordance with clause 7.2 of the EN 60079-7 standard, a test of dielectric strength on each of the different circuits of the connection units, performed during 1 minute. .

(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° 415 469 ind. C dated and signed on 2009.07.10.

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use are unchanged.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

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

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

Verneuil-en-Halatte, 2009 11 24

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



ADDITION

(3) INERIS 03ATEX0201/02

(4) FLUORESCENT TUBE LIGHTING EQUIPMENT TYPE TFSe DNA...

(5) Made by SAMMODE

(15) PURPOSE OF THE ADDITION

- Application of the following European standards:
EN 60079-0 : 2009
EN 60079-1 : 2007
EN 60079-7 : 2007
EN 60079-18 : 2009
EN 60079-31 : 2009
- News materials of the equipment's body: Makrolon 1143 or Coextruded Polycarbonate/Methacrylate.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

MARKING

The marking is modified as follows:

A- For versions fitted with a ballast type HFX... E1003 or HFX... E1004:

SAMMODE

F- 75011 PARIS

TFSe DNA... (1)

INERIS 03ATEX0201

(Serial number)

(Year of construction)

Tamb : -20°C to +50°C

(Nominals voltage and current or type of lamp)



II 2 GD

Ex e mb IIC T4 Gb

Ex tb IIIC T65°C Db IP6X

WARNINGS:

POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

B- For versions fitted with a ballast type 6042/9... :

SAMMODE

F- 75011 PARIS

TFSe DNA... (1)


INERIS 03ATEX0201

(Serial number)

(Year of construction)

Tamb: -20°C to +50°C

(Nominals voltage and current or type of lamp)

 II 2 GD

Ex d e IIC T4 Gb

Ex tb IIIC T65°C Db IP6X

WARNINGS:

POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- (1) The points are replaced by numbers or number and letters corresponding to manufacturing variation.

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 7.1 of the EN 60079-7 standard, a test of dielectric strength on each of the different circuits of the connection units, performed according to the relevant standards.

(16) DESCRIPTIVE DOCUMENTS

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

- | | | |
|---|---------------------|--------------------------|
| - Certification file n° 415 470 Rev.2.4 | dated on 2013.05.22 | and signed on 2013.06.25 |
| - Instruction manual n° 415 478 Rev.F | dated on 2013.05 | and signed on 2013.06.25 |

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use are unchanged.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

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

- Conformity to the standard indicated on page 1 paragraph (15).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2013.09.04



The Chief Executive Officer of INERIS,
By delegation
T.HOUEIX
Ex Certification Officer