

ATTESTATION PRODUIT ATEX

ATEX PRODUCT CERTIFICATION

LUMINAIRE – LIGHT FITTING

HUYGENS SILO (HUYGENS...)

Attestation d'examen CE de type pour luminaire ATEX de type HUYGENS... (HUYGENS SILO)

EC type examination certificate for ATEX light fitting type HUYGENS... (HUYGENS SILO)

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 Certificat émis par / issued by : INERIS
 Date : 2001/06/20

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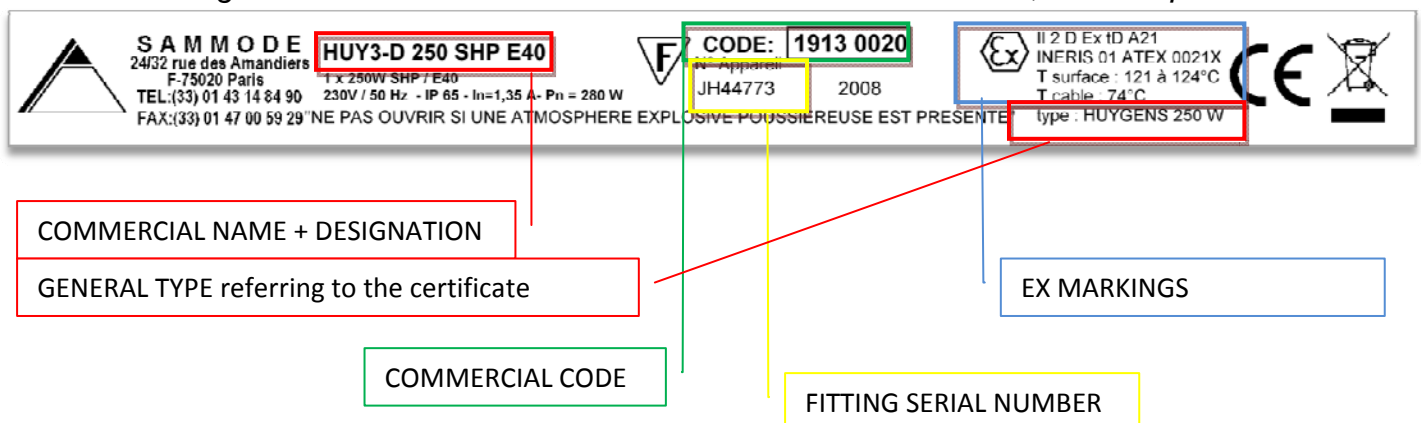
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Document n° : INERIS 01ATEX0021 X/02
 Certificat émis par / issued by : INERIS
 Date : 2010/09/15

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 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 01ATEX0021 X**
(The type is completed by numbers and/or letters corresponding to manufacturing variation)

(4) Protection apparatus or system:

LIGHTING APPARATUS TYPE HUYGENS...

(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 23th 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°15886/01.

(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 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 D

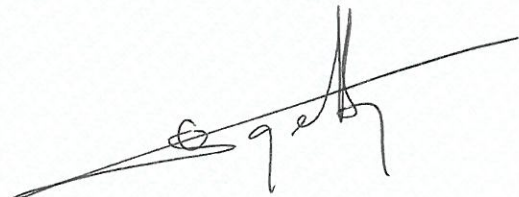
IP65 T146°C to T96°C

Verneuil-en-Halatte, 2001 06 20

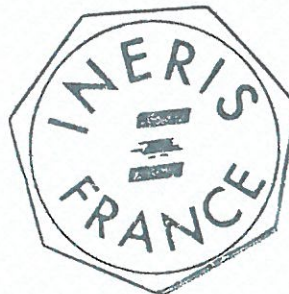
P.O. 

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 01ATEX0021 X

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM


This lighting apparatus declined in three variations is composed of a metallic body and, a cover mounted on hinges with a glass window protected by a transluclide device.

PARAMETERS RELATING TO THE SAFETY

- Rated voltage U_N : 230 V
- Types and authorized lamps power according type:
 - Lamp SHP or IM 150W for HUYGENS 150
 - Lamp SHP or IM 250W and 150 W for HUYGENS 250
 - Lamp SHP or IM 400W for HUYGENS 400

MARKING

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

- **SAMMODE**
125, rue du Chemin Vert
F- 75011 PARIS
HUYGENS ... (1)
- INERIS 01ATEX0021X
- (Serial number, if any)
- (year of construction)
-  **II 2D**
- IP 6X T*
- Tamb. : -20°C/+50°C (in the case arises)
- Tcable : *
- DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE IS PRESENT
- DO NOT OPEN WHEN ENERGIZED

(1) Type is completed by numbers and/or letters corresponding to manufacturing variation.

* see below

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.

	Maximal surface temperature (°C) for T.amb = 40°C under U _N +6%			T cable (°C)
Lamp power and type	Beam of light incline			
	Vertical	45°	Horizontal	
150 W	114	120	129	/
150 W-GM	106	104	96	/
250 W	124	124	121	74
400 W	136	132	125	77

	Maximal surface temperature (°C) for T.amb = 50°C under U _N +6%			T cable (°C)
Lamp power and type	Beam of light incline			
	Vertical	45°	Horizontal	
150 W	124	130	139	75
150 W-GM	116	114	106	80
250 W	134	134	131	80
400 W	146	142	135	86

ROUTINE EXAMINATIONS AND TESTS

None.

(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 file N°414692 rev.A of 2001.03.13 signed on 2001.06.18

This file includes 4 items (10pages)

(17) SPECIAL CONDITIONS FOR SAFE USE

The lighting apparatus must be used according to the positions defined in the mounting instructions.

For use in potentially explosive atmospheres due to combustible dust, user shall perform a regular cleaning of lighting apparatus in view to limit dust layers on equipment sides.

These special conditions are defined in equipment 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 and EN 50 281-1-1.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

ADDITION

(3) INERIS 01ATEX0021 X/01

(4) LIGHTING APPARATUS TYPE HUYGENS...

(5) Made by SAMMODE

(15) - PURPOSE OF THE ADDITION

Possible introduction of a new alternative of execution including :

- Modification of the lamps and ballast allowed,
- Thermal screen

PARAMETERS RELATING TO THE SAFETY

The parameters relating to safety indicated in the basic certificate are modified as follow :

- Supply voltage U_N : 230 V
- Types and Power of permitted lamps according type:
 - OMBIS 150PA503W
 - OMBIS 150PB503W
 - OGLIS 250PC023W
 - OGLS 400PC043W

MARKING

The code marking envisaged in the basic certificate is unchanged.

ROUTINE EXAMINATIONS AND TESTS

None.

(16) - DESCRIPTIVE DOCUMENTS

The document referred to below, constitute the file describing the modifications of the apparatus and forming the subject of the present addition.

- Descriptive note supplementary LIGHTING APPARATUS n°415 933 ind A du 02.02.2006

(17) - SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use are unchanged.

(18) - ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

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

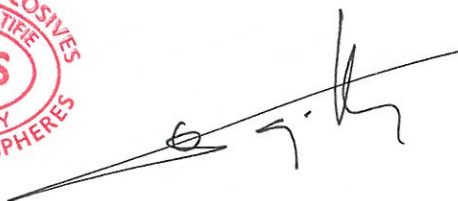
- conformity to the European standards EN 50 014, and EN 50 281-1-1,
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

Verneuil-en-Halatte, 2006 023 14



X. LEFEBVRE

Engineer at the Laboratory of Certification of ATEX
Equipment



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

ADDITION

(3) INERIS 01ATEX0021X/02

(4) LIGHTING APPARATUS TYPE HUYGENS

(5) Made by SAMMODE

(15) PURPOSE OF THE ADDITION

- Application of new standards EN 61241-0:2006 and EN 61241-1:2004.
- New address: 24-32; rue des Amandiers, F - 75020 PARIS.


PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

MARKING

The marking is modified as follow :

SAMMODE
F- 75020 PARIS
HUYGENS... (*)
INERIS 01ATEX0021X
(Serial number)
(Year of construction)

 II 2 D

Ex tD A21 IP6X T (**)

Tamb : -20°C to +40°C or -20°C to + 50°C

WARNINGS: DO NOT OPEN WHEN ENERGIZED
DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

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

(**) See tables below

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.

	<u>Maximum surface temperature (°C) for T.amb = 40°C</u>			T cable (°C)
	<u>Under U_N+6%</u>			
Lamp power and type	Beam of light incline			
	Vertical	45°	Horizontal	
150 W	114	120	129	/
150 W-GM	106	104	96	/
250 W	124	124	121	74
400 W	136	132	125	77

	<u>Maximum surface temperature (°C) for T.amb = 40°C</u>			T cable (°C)
	<u>Under U_N+6%</u>			
Lamp power and type	Beam of light incline			
	Vertical	45°	Horizontal	
150 W	124	130	139	75
150 W-GM	116	114	106	80
250 W	134	134	131	80
400 W	146	142	135	86

ROUTINE EXAMINATIONS AND TESTS

None.

(16) DESCRIPTIVE DOCUMENTS

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

- Descriptive file n° 416 495 rev B (3 rubric)

signed on 2010.08.20

(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, 2010 09 15



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