

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

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

(3) Number of the EC type examination certificate: **INERIS 02ATEX0039**

(4) Protection apparatus or system:

LIGHT APPARATUS FOR FLUORESCENT LAMPS TYPE EVF-P... or EVF-P...-LE..

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

(5) Manufacturer: **ITALSMEA**

(6) Address: **Via per Cernusco, 15
20060 BUSSERO (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/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°15526/02.

(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 November 2000

- 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**

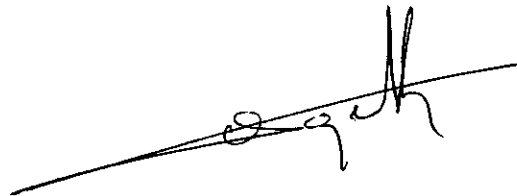
EEx d IIC T6

Verneuil-en-Halatte, 2002 06 13



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 02ATEX0039

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM

The enclosure, made in three lengths, consists of a polycarbonate tube sealed at each extremity in a metallic part. One of the part is fitted with a screwed lid for the access to the lamps.

This lighting equipment can be fitted with one electronic ballast for fluorescent lamps ; an emergency version is allowed with an electronic ballast and a sealed battery with an electronic control unit.

This equipment presents the degrees of protection IP66 according to European standard EN 60 529.

PARAMETERS RELATING TO THE SAFETY

Maximum supply voltages : 12 at 110 V (DC)
24 at 240 V (AC)

Frequencies : 50/60 Hz \pm 5%

This equipment is provided for the following lamps :

Type EVF-P 118 : 1 x 18 watts	Type EVF-P 218 : 2 x 18 watts
Type EVF-P 136 : 1 x 36 watts	Type EVF-P 236 : 2 x 36 watts
Type EVF-P 158 : 1 x 58 watts	Type EVF-P 258 : 2 x 58 watts

In emergency version :

Type EVF-P 118/LE-NP : 1 x 18 watts
Type EVF-P 136/LE-NP : 1 x 36 watts
Type EVF-P 158/LE-NP : 1 x 58 watts
Type EVF-P 118/LE-P : 1 x 18 watts
Type EVF-P 136/LE-P : 1 x 36 watts
Type EVF-P 158/LE-P : 1 x 58 watts
Type EVF-P 218/LE-P : 2 x 18 watts
Type EVF-P 236/LE-P : 2 x 36 watts
Type EVF-P 258/LE-P : 2 x 58 watts


MARKING

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

ITALSMEA

Via per Cernusco, 15
20060 BUSSERO (MI)
ITALY

EVF-P... or EVF-P...-LE-.. (*)
INERIS 02ATEX0039
(Serial number)
(year of construction)

 **II 2 G**

EEx d IIC T6
T.Amb : -20°C to 50°C
IP66

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

CAUTION ELECTROSTATIC CHARGES

CLEAN THE POLYCARBONATE ONLY BY DAMP CLOTH OR ANTISTATIC PRODUCTS

(*) The points are replaced by numbers and/or 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 16.1 of standard EN 50 018, each example of the material defined above must have successfully passed before delivery an overpressure test, of a period comprised between 10 and 60 secondes under :

- 14,1 bar for the type EVF-P for lamps of 18 watts,
- 12,2 bar for the type EVF-P for lamps of 36 watts,
- 11 bar for the type EVF-P for lamps of 58 watts.

(16) DESCRIPTIVE DOCUMENTS

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

Descriptive Notice TN-60-2002-01 of 2002.06.04 (8 pages)

Instructions notice evfp-02E04-06 (2 x 4 pages)

Plan n° C60200200 Rev.0 of 2002.06.04

Plan n° C60200201 Rev.0 of 2002.06.04

Those documents are signed on 2002.06.04

(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 and 50 018.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

ADDITION

INERIS 02ATEX0039/01

LIGHTING APPARATUS FOR FLUORESCENT LAMPS
TYPE EVE-P... ou EVE-P...-LE...

Manufactured by ITALSMEA

(15) - PURPOSE OF THE ADDITION

Modification of the electrical parameters.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety stipulated by the basic certificate are modified as following :

Rated voltage : 12 to 230 V \pm 10% (DC)
Rated voltage : 12 to 240 V \pm 10% (AC)

MARKING

The marking defined in the basic certificate is unchanged.

ROUTINE EXAMINATIONS AND TESTS

The routine and examinations tests stipulated by the basic certificate are unchanged.

(16) - DESCRIPTIVE DOCUMENTS

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

- Descriptive Notice TN-60-2002-01 rev.1 of 2002.08.21 (8 pages)
- Instructions Notice evfp-02E21-08 (3 pages) of 2002.08.21

These documents are signed on 2002.08.21

(17) - SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use defined in the basic certificate are unchanged.

(18) ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH


The respect of the Essential Health and Safety Requirements defined in the basic certificate is unchanged.

Verneuil-en-Halatte, 2002 11 12



C. PETITFRERE

Engineer at the Laboratory of Certification of
Materials ATEX



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



ADDITION

INERIS 02ATEX0039/02

LIGHT APPARATUS FOR FLUORESCENT LAMPS TYPE EVF-P... or EVF-P...-LE-..

Manufactured by ITALSMEA

(15) - PURPOSE OF THE ADDITION

Possibility to use this light apparatus in the presence of combustible dust.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety stipulated by the basic certificate and the addition 01 are unchanged.


MARKING

These enclosures object of this complement must comprise the following indications, on a way readable and indelible :

ITALSMEA

Via Per cernusco, 15
20060 BUSSERO (MI)
ITALY

EVF-P... or EVF-P...-LE-.. (*)
INERIS 02ATEX0039
(Serial number)
(year of construction)

 II 2 GD
EEx d IIC T6
T.Amb : (**)
IP66 T85°C

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

- (*) The points are replaced by numbers and/or letters corresponding to manufacturing variation.
- (**) The range of ambiente temperature when it is different to -20°C at 40°C (+50°C maxi).

ROUTINE EXAMINATIONS AND TESTS

The routine verifications and tests stipulated in basic certificate are unchanged.

(16) - DESCRIPTIVE DOCUMENTS

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

Descriptive Notice TN-60-2002-01 rev.2 of 2003.01.07 (8 pages)

Instructions notice on 2003.01.07 (3 pages)

These documents are signed on 2003.01.07

(17) - SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use defined in the basic certificate are defined in the instructions.

(18) - ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

The respect of the Essential Health and Safety Requirements defined in the basic certificate is completed par the conformity with the European standard EN 50281-1-1.

Verneuil-en-Halatte, 2003 06 16



C. PETITFRERE

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 02ATEX0039/03**
- (4) **LIGHTING APPARATUS FOR FLUORESCENT LAMPS TYPE EVF-P... or EVF-P...-LE...**
- (5) **Manufactured by ITALSMEA**

(15) **PURPOSE OF THE ADDITION**

New supply voltages.
New temperature ranges.
New address : Via Italia, 33 - 20060 GESSATE (MI) - ITALY

PARAMETERS RELATING TO THE SAFETY


The parameters relating to the safety stipulated by the basic certificate and the addition n°01 are modified as follows:

Maximum supply voltages : 253V (DC)
305V (AC)
Frequencies : 50/60 Hz ± 5%

MARKING

The marking defined in the addition n°02 of the basic certificate is modified as follows:

readable and indelible :

ITALSMEA
Via Italia, 33
20060 GESSATE (MI)
ITALY
EVF-P... or EVF-P...-LE... (*)
INERIS 02ATEX0039
(Serial number)
(year of construction)
 II 2 GD
EEx d IIC T6 T85°C IP66 Tamb:-20°C to +50°C

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

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

ROUTINE EXAMINATIONS AND TESTS

The routine verifications and tests stipulated in basic certificate are unchanged.

(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 Notice TN-60-2002-01 rev.3 dated and signed on 2007.03.05 (3 pages)

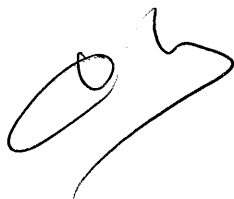
(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions are stipulated in the instructions.

(18) ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

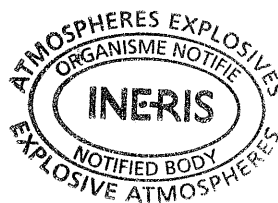
The respect of the Essential Health and Safety Requirements defined in the basic certificate and the additions n°01 and 02 is unchanged.

Verneuil-en-Halatte, 2007 03 30



X.LEFEBVRE

Engineer at the Laboratory of Evaluation of
ATEX Equipment



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

ADDITION

(3) **INERIS 02ATEX0039/04**

(4) **LIGHTING APPARATUS FOR FLUORESCENT LAMPS TYPE EVF-P... or EVF-P...-LE...**

(5) **Made by ITALSMEA**

(15) **PURPOSE OF THE ADDITION**

As a variation:

Up dating of descriptive documents.

Application of new standards :

EN 60079-0 : 2006 , 60079-1 : 2004,

EN 61241-0 : 2006, 61241-1 : 2004,

IEC 60079-0 : 2004, 60079-1 : 2003,

IEC 61241-0 : 2004 61241-1 : 2004.

New address : Via Italia, 33 - 20060 GESSATE (MI) - ITALY

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

MARKING


The marking is modified as follows:

ITALSMEA

Via Italia, 33

20060 GESSATE (MI)

ITALY

 II 2 GD

Ex d IIC T6

Ex tD A21 IP66 T85°C

Tamb:-20°C to +50°C

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are unchanged.

(16) **DESCRIPTIVE DOCUMENTS**

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

- Descriptive notice TN-60-2002-01 (4 pages) rev.4 signed on 2007.04.12
- Instruction notice (3 pages) rev.4 dated and signed on 2007.04.12

(17) **SPECIAL CONDITIONS FOR SAFE USE**

The special conditions are unchanged.

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

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

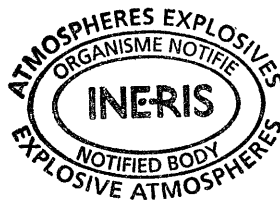
- Conformity to the standards EN or IEC 60079-0, EN or IEC 60079-1 EN or IEC 61241-0, EN or IEC 61241-1
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2007 05 11



X. LEFEBVRE

Engineer at the Laboratory of Evaluation of
Equipment ATEX



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

ADDITION

(3) INERIS 02ATEX0039/05

(4) LIGHTING APPARATUS FOR FLUORESCENT LAMPS TYPE EVF-P... or EVF-P... LE ..

(5) Made by ITALSMEA

(15) PURPOSE OF THE ADDITION

- a) Change of the manufacturer's name from ITALSMEA to TECHNOR ITALSMEA.
- b) Change of the protection type from flameproof enclosure to increased safety "Ex e" for the lighting apparatus.
The electronic ballast "ELXe" series, manufactured by VOSSLOH SCHWABE, for fluorescent lamps and the battery "VT" series, manufactured by SAFT, with electronic control unit for emergency version are protected by flameproof enclosures as feeding units type EB... certified INERIS 01ATEX0059 and installed inside the apparatus.
Ex e IIC certified terminals suitable for operating temperature 80°C are used.

c) Application of the following standards:

EN 60079-0	: 2009	IEC 60079-0	: 2007
EN 60079-7	: 2007	IEC 60079-7	: 2006
EN 60079-1	: 2007	IEC 60079-1	: 2007
EN 60079-31	: 2009	IEC 60079-31	: 2008

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

a) For normal lighting type EVF-P...:

Maximum supply voltage	: 230 V (AC)
Frequencies	: 50 / 60 Hz

This equipment is provided for the following lamps:

Type EVF-P 118	: 1 x 18 watts	Type EVF-P 218	: 2 x 18 watts
Type EVF-P 136	: 1 x 36 watts	Type EVF-P 236	: 2 x 36 watts
Type EVF-P 158	: 1 x 58 watts	Type EVF-P 258	: 2 x 58 watts

b) For emergency lighting type EVF-P...LE:

Maximum supply voltage	: 230 V (AC)
Frequencies	: 50 / 60 Hz

This equipment is provided for the following lamps:

Type EVF-P 118 LENP	: 1 x 18 watts	Type EVF-P 158 LEP	: 1 x 58 watts
Type EVF-P 136 LENP	: 1 x 36 watts	Type EVF-P 236 LEP	: 2 x 36 watts
Type EVF-P 158 LENP	: 1 x 58 watts	Type EVF-P 258 LEP	: 2 x 58 watts
Type EVF-P 136 LEP	: 1 x 36 watts		

MARKING

The marking is modified as follows:

a) For normal lighting type EVF-P...:

TECHNOR ITALSMEA


I-20060 GESSATE

EVF-P...

INERIS 02ATEX0039

(Serial number)

(Year of construction)

 II 2 GD

Ex d e IIC T4 Gb

Ex tb IIIC T85°C Db IP66

Tamb: -20°C to +50°C

Rated voltage and rated current or rated power

Lamp Nr. and power (W)

CABLE ENTRIES: SEE INSTRUCTIONS

WARNING: DO NOT OPEN WHEN ENERGIZED

b) For emergency lighting type EVF-P...LE:

TECHNOR ITALSMEA


I-20060 GESSATE

EVF-P...LE

INERIS 02ATEX0039

(Serial number)

(Year of construction)

 II 2 GD

Ex d e IIC T4 Gb

Ex tb IIIC T85°C Db IP66

Tamb: -20°C to +50°C

Rated voltage and rated current or rated power

Lamp Nr. and power (W)

CABLE ENTRIES: SEE INSTRUCTIONS

WARNING: DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are modified as follows:

Each apparatus defined above has to have successfully passed; before delivery:

- In accordance with clause 7.1 of the EN 60079-7 standard, a test of dielectric strength on each of the different terminals of the connection units, the voltage test is applied during one minute.

(16) DESCRIPTIVE DOCUMENTS

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

- Technical Note TN1201 rev.0 rev. 0 (7 pages) signed on 2012.03.27
- Instruction Note TN1201 Annex A rev.0 (3 pages) signed on 2012.03.27
- Drawing N° AC1201 rev. 0 (3 sheets) signed on 2012.03.27

(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, 2012.05.21



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

ADDITION

(3) INERIS 02ATEX0039X/06

(4) LIGHTING APPARATUS TYPE EVF-P*** and EVF-P***LEP and EVF-P***LENP

(5) Made by TECHNOR ITALSMEA

(15) PURPOSE OF THE ADDITION

- a) Increasing ambient temperature to +55°C and changing the polycarbonate type for the body;
- b) Addition of ballast BAX*** series;
- c) Updating the voltages in accordance with the latest ratings of the ballast BAX*** series;
- d) Remove Ex d protection from the main protection type of the lighting apparatus.

Application of the following standards:

EN 60079-0	: 2009	IEC 60079-0	: 2007
EN 60079-7	: 2007	IEC 60079-7	: 2006
EN 60079-1	: 2007	IEC 60079-1	: 2007
EN 60079-31	: 2009	IEC 60079-31	: 2008
EN-60079-18	: 2009	IEC-60079-18	: 2009

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

- a) **For lighting type EVF-P***:**
 - Maximum supply voltage : 277 V (AC)/277 V (DC)
 - Frequencies : 50 / 60 Hz
- b) **For lighting type EVF-P***LEP:**
 - Maximum supply voltage : 240 V (AC)
 - Frequencies : 50 / 60 Hz
- c) **For lighting type EVF-P***LENP**
 - Maximum supply voltage : 240 V (AC)
 - Frequencies : 50 / 60 Hz

MARKING

The marking is modified as follows:

a) For lighting type EVF-P*:**

TECHNOR ITALSMEA


I-20060 GESSATE

EVF-P***

INERIS 02ATEX0039X

(Serial number)

(Year of construction)

 II 2 GD

Ex d e or e mb IIC T4 Gb

Ex tb IIIC T85°C Db IP66

Tamb: -20°C to +55°C

Rated voltage and rated current or rated power

Lamp Nr. and power (W)

CABLE ENTRIES: SEE INSTRUCTIONS

WARNINGS:

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS

b) For lighting type EVF-P*LEP:**

TECHNOR ITALSMEA


I-20060 GESSATE

EVF-P***LEP

INERIS 02ATEX0039X

(Serial number)

(Year of construction)

 II 2 GD

Ex d e or d e mb IIC T4 Gb

Ex tb IIIC T85°C Db IP66

Tamb: -20°C to +55°C

Rated voltage and rated current or rated power

Lamp Nr. and power (W)

CABLE ENTRIES: SEE INSTRUCTIONS

WARNINGS:

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

POTENTIAL ELECTROSTATIC CHARGING HAZARD- SEE INSTRUCTIONS

c) **For lighting type EVF-P***LENP:**

TECHNOR ITALSMEA


I-20060 GESSATE

EVF-P***

INERIS 02ATEX0039X

(Serial number)

(Year of construction)

 II 2 GD

Ex d e IIC T4 Gb

Ex tb IIIC T85°C Db IP66

Tamb: -20°C to +55°C

Rated voltage and rated current or rated power

Lamp Nr. and power (W)

CABLE ENTRIES: SEE INSTRUCTIONS

WARNINGS:

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

POTENTIAL ELECTROSTATIC CHARGING HAZARD- SEE INSTRUCTIONS

ROUTINE EXAMINATIONS AND TESTS

The routine overpressure test condition planned in the original certificate is removed.

(16) **DESCRIPTIVE DOCUMENTS**

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

- | | |
|---|--------------------------------|
| - Technical Note TN1201 rev.B (8 pages) | dated and signed on 2014.01.09 |
| - Instruction Note TN1201 Annex A rev.A (3 pages) | dated and signed on 2014.01.09 |
| - Drawing N° AC1201 rev. A (5 sheets) | dated and signed on 2014.01.09 |

(17) **SPECIAL CONDITIONS FOR SAFE USE**

The special conditions for safe use are completed as follows:

POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS

(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, 2014.01.31



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

