



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 INE 13.0029 Issue No: 0 Certificate history:
Issue No. 0 (2013-12-11)

Status: **Current** Page 1 of 4

Date of Issue: **2013-12-11**

Applicant: **SAMMODE SA**
24, rue des Amandiers
75020 Paris
France

Electrical Apparatus: **Lighting fixtures LFSn type KEPLER / DAVY / EINSTEIN SILO**
Optional accessory:

Type of Protection: **nA and tb**

Marking: Ex nA IIC T4 Gc (only for DAVY and KEPLER)
Ex tb IIIC T80°C Db

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

Thierry HOUEIX

Position:

Ex Certification Officer

*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](#).

Certificate issued by:

INERIS
Institut National de l'Environnement Industriel
et des Risques
BP n2
Parc Technologique ALATA
F-60550 Verneuil-En-Halatte
France



IECEx Certificate of Conformity

Certificate No: IECEx INE 13.0029 Issue No: 0

Date of Issue: 2013-12-11 Page 2 of 4

Manufacturer: **SAMMODE SA**
24, rue des Amandiers
75020 Paris
France

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 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-31 : 2008 Edition:1	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:

[FR/INE/ExTR13.0032/00](#)

Quality Assessment Report:

[FR/INE/QAR13.0006/00](#)



IECEx Certificate of Conformity

Certificate No: IECEx INE 13.0029

Issue No: 0

Date of Issue: 2013-12-11

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The range of the lighting fixtures LFSn type KEPLER/EINSTEIN SILO/DAVY made with a #FFFFFF body and one (only for KEPLER) or two mobile flanges in stainless steel.

These lighting fixtures are intended to receive one or two fluorescent lamp(s) of 18W, 36W or 58W.

The composition and the EPL of the lighting fixtures LFSn depend of the type:

- EINSTEIN SILO used with ferromagnetic ballasts, tube in coextruded polycarbonate/methacrylate (POME) or Polycarbonate Makrolon 1143 or in glass : EPL Db for dust
- DAVY used with electronic ballasts tube in coextruded polycarbonate/methacrylate (POME) or Polycarbonate Makrolon 1143 or in glass: EPL Db for dust and Gc for gas
- KEPLER used with electronic ballasts tube in coextruded polycarbonate/methacrylate (POME) or Polycarbonate Makrolon 1143: EPL Db for dust and Gc for gas

The list of the electrical equipments is defined on the technical documentation.

The enclosures get the degrees of protection IP64 in accordance with the IEC 60529 standard.

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No: IECEx INE 13.0029

Issue No: 0

Date of Issue: 2013-12-11

Page 4 of 4

Additional information:

PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage : 220-254 Vac

Nominal frequency : 50/60/0 Hz

This equipment is 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

Marking has to be readable and indelible; it has to include the following indications:

A- Lighting fixtures type LFSn DAVY and KEPLER

- SAMMODE SA
F-75020 Paris
- LFSn type(1)
- IECEx INE 13.0029
- (Serial number)
- Ex nA IIC T4 Gc
- Ex tb IIIC T80°C Db
- Tamb : -20° to +50°C
- WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS
DO NOT OPEN WHEN ENERGIZED

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

B- Lighting fixtures type EINSTEIN SILO

- SAMMODE SA
F-75020 Paris
- LFSn type(1)
- IECEx INE 13.0029
- (Serial number)
- Ex tb IIIC T80°C Db
- Tamb : -20° to +50°C
- WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS
DO NOT OPEN WHEN ENERGIZED

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

ROUTINE EXAMINATIONS AND TESTS

In accordance with clause 23.2.1 of the IEC 60079-15 standard, a test of dielectric strength on each of the different circuits of the connection units, performed according to the relevant standards.