



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX INE 20.0071X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-07-26

Applicant: **TELEPHONES LE LAS**
99 rue Alexandre Fourny
Champigny sur Marne 94500
France

Equipment: **Intercom System with or without Headset or Handset type 214A....**

Optional accessory:

Type of Protection: **db, tb, db ib, tb ib**

Marking: Gas only without handset or headset
Ex db IIB T6 Gb or Ex db IIB+H2 T6 Gb

Gas & Dust without handset or headset
Ex db IIB T6 Gb or Ex db IIB+H2 T6 Gb
Ex tb IIIC T85°C Db

Gas only with handset or headset
Ex db ib IIB T4 Gb or Ex db ib IIB+H2 T4 Gb

Gas and Dust with handset
Ex db ib IIB T4 Gb or Ex db ib IIB+H2 T4 Gb
Ex tb ib IIIC T135°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Thierry HOUÉIX

Position:

Ex Certification Officer

Signature:
(for printed version)

Date:
(for printed version)

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.
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Certificate issued by:

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





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Manufacturer: **TELEPHONES LE LAS**
99 rue Alexandre Fourny
Champigny sur Marne 94500
France

Manufacturing
locations:

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with 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/ExTR20.0073/00](#)

Quality Assessment Report:

[FR/INE/QAR13.0001/07](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The unit type 214A5G or type 214A5GD is made of light alloy and consists of a casing closed by a hinged lid and secured by screws.

The content of the unit is detailed in the descriptive note and may in fact contain or be fitted with:

- an electric motor with or without appropriate transformer,
- the cover can be fitted with switches, indicator lights, glass breaker, microphone, translucent bushings, and with or without a protrusion incorporating a speaker.
- handset (evaluated with the unit), or headset certified IECEx LCI 10.0044X. Cable between the unit and the headset or handset has a maximum length of 5 meters.

Connections to the external electrical circuits are made via cable penetrations of a certified type.

Electronics cards and associated circuits of the intrinsically safe system used in association with the handset & headsets have been assessed with model 229A1/A2 covered by certificate IECEx INE14.0004.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The screws used for the assembly of the various parts of explosion-proof enclosures must be of quality higher or equal to 8.8 or A2-70
- The flameproof joints have different values from those specified in the tables of IEC 60079-1 standard, see drawing TLH214A5ACE rév.B.
- For IIB+H2, the enclosure shall be cleaned with an antistatic or damp cloth.

Annex:

[IECEX INE 20.0071X-00_Annex.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Model without handset or headset:

- Rated voltage: 250 V
- Maximum power: 50 W

Model with handset or headset:

- Maximum voltage: 60 Vdc
- Maximum current: 80 mA
- Maximum power: 1.2 W

MARKING

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

Intercom without headset or handset gas only

- Le Las
- F-94500 Champigny sur Marne
- 214A5G
- IECEx INE 20.0071X
- (Serial number)
- Ex db IIB T6 Gb or Ex db IIB+H2 T6 Gb
- IP6X
- Tamb.: -20°C to +50°C
- WARNING:
 - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
 - AFTER DE-ENERGIZING, DELAY 12 MINUTES BEFORE OPENING
 - POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

Intercom with headset or handset gas only

- Le Las
- F-94500 Champigny sur Marne
- 214A5G
- IECEx INE 20.0071X
- (Serial number)
- Ex db ib IIB T4 Gb or Ex db ib IIB+H2 T4 Gb
- IP6X
- Tamb. : -20°C to +50°C
- WARNING:
 - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
 - AFTER DE-ENERGIZING, DELAY 12 MINUTES BEFORE OPENING
 - POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

Intercom without headset or handset gas and dust

- Le Las
- F-94500 Champigny sur Marne
- 214A5GD
- IECEx INE 20.0071X
- (Serial number)
- Ex db IIB T6 Gb or Ex db IIB+H2 T6 Gb
- Ex tb IIIC T85°C Db
- IP6X
- Tamb. : -20°C to +50°C
- WARNING:
 - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
 - AFTER DE-ENERGIZING, DELAY 12 MINUTES BEFORE OPENING
 - POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS



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Intercom with handset gas and dust

- Le Las
- F-94500 Champigny sur Marne
- 214A5
- IECEx INE 20.0071X
- (Serial number)
- Ex db ib IIB T4 Gb or Ex db ib IIB+H2 T4 Gb
- Ex tb ib IIIC T135°C Db
- IP6X
- Tamb. : -20°C to +50°C
- WARNING:
 - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
 - AFTER DE-ENERGIZING, DELAY 12 MINUTES BEFORE OPENING
 - POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

ROUTINE EXAMINATIONS AND TESTS

In accordance with clause 16.1 of the IEC 60079-1 standard, each piece of equipment defined above has to have successfully passed, before delivery, an overpressure test of a period of 10 sec minimum under:

- IIB : 8.9 bar
- IIB+H2 : 12.75 bar