



- (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 09ATEX0074**

- (4) Equipment or protective system:

TELEPHONE TYPE 229A1

- (5) Manufacturer:

LE LAS

- (6) Address:

**34-36, rue Roger Salengro
F-94134 FONTENAY-SOUS-BOIS**

- (7) This equipment or protective system 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) 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 equipment or protective system fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, described in annex II of the Directive.

The examinations and the tests are consigned in report No 022705/10 .


- (9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 60079-0 : 2006
EN 60079-7 : 2007
EN 60079-11 : 2007
EN 60079-18 : 2004/AC:2006

- 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 protective 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 protective system will have to contain:

 II 2 G

Verneuil-en-Halatte, 2010 03 09



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

(13)

A N N E X

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 09ATEX0074

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

The apparatus, type 229A1, is a telephone intended for the transmission of electric signals towards an automatic exchange.

The telephone is composed of:

- of a casing protected by increased safety container:
 - a printed circuits board protected by intrinsic safety allowing connection from the microphone, the headset and the keyboard with keys,
 - two printed circuits board embedded in a resin and protected by encapsulation. One of these boards comprises, on its higher face, two terminals "e" (located BR1 and BR2) for the connection of the external electric circuits.
- of a telephone headset protected by intrinsic safety,
- of a second receiver, in option, including a standard ear-phone DR381 also protected by intrinsic safety,
- of a headset, in option, according to maximum coils and capacities allowed by the intrinsic safety circuit.

The casing, made out in polycarbonate stainless steel filled compound is composed of a body closed by a lid maintained by 4 screws.

The lid is equipped in front face of a keyboard which can be equipped with 1 to 15 keys, of a luminous diffuser and two zones comprising of the openings for the loudspeaker or a piezo howler and the microphone.

An alternative is envisaged without keyboard with keys; in this case, the site of the keyboard receives a plastic plate.

The microphone can also be removed; in this case, a metal disc seals the opening.

The lid is equipped, partly low, of a second luminous diffuser intended to designed to visually notify users of incoming calls.

It also comprises one or two cable entries intended for the headset connections with the second receiver or a headset.

PARAMETERS RELATING TO THE SAFETY

The maximum input characteristics of the terminals are:

The phone type 229A1 is powered by an alternative voltage source:

Terminals reference	U _i (Vac)	I _i (mAac)	P _i (W)
BR1, BR2	80	50	1

or,

The phone type 229A1 is powered by a continuous voltage source:

Terminals reference	U _i (Vdc)	I _i (mAdc)	P _i (W)
BR1, BR2	60	80	1,2

MARKING

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

LE LAS


F-94134 FONTENAY-SOUS-BOIS

229A1

INERIS 09ATEX0074

(Serial number)

(Year of construction)

 II 2 G

Ex e ib mb IIC T5

-40°C ≤ T_a ≤ +60°C

WARNING :

“DO NOT OPEN WHEN ENERGIZED”

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

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

- In accordance with clause 7.1 of the EN 60079-7 standard and with clause 9.2 from the EN 60079-18 standard, a test of dielectric strength between the terminals BR1/BR2 and the casing of the phone, the test voltage of 1500 Vac is applied for one minute.
- In accordance with clause 9.1 from the EN 60079-18 standard, a visual examination of encapsulation.

(16) DESCRIPTIVE DOCUMENTS

The descriptive documents quoted hereafter constitute the technical documentation of the equipment, subject of this certificate.

- Descriptive notice Poste Telephonique 229A1 (10 pages+13 drawings) signed on 2010.01.15
- Instruction notice Poste Telephonique 229A1 (16 pages) signed on 2009.12.23

(17) SPECIAL CONDITIONS FOR SAFE USE

The conditions are stipulated in the 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 (9).
- All provisions adopted by the manufacturer and defined in the descriptive documents.