



- (2) **Component intended to be incorporate into equipment or protective system intended for use in explosive atmospheres
Directive 94/9/EC**

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

- (3) Number of the EC type examination certificate: **INERIS 03ATEX9023U**

- (4) Component:

COMMAND AND SIGNALING UNITS TYPE E..... or D.....
(The points are replaced by letters and numbers corresponding to manufacturing variation)

- (5) Manufacturer: **COELBO**
(6) Address: **Via Margherita, 83
I - 20047 Brugherio (MI)**

- (7) This component and any other acceptable alternative of this one are described in the appendix of this certificate and the descriptive documents quoted in this appendix.

- (8) The INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC 23rd March 1994, certifies that this component 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 appendix II of the Directive.

The examinations and the tests are consigned in official report No. P46630/03.

- (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 + A1
EN 50281-1-1	of September	1998 + A1

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

- (10) Sign U, when it is placed following the Number of the EC type examination certificate, indicates this one should not be wrongly considered as an EC type examination certificate delivered for equipment or protective system. This partial certification may be used as a basis for the certification of equipment or protective system.
- (11) This EC type examination certificate refers only to the design and the construction of the component specified. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.
- (12) The marking of the component will have to contain:

 II 2 GD I M2 or  II 2 GD

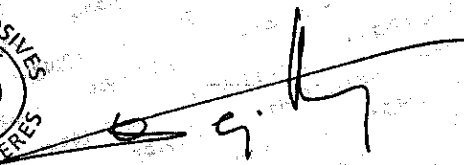
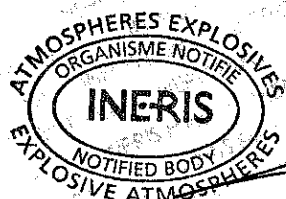
EEx d I/IIC or EEx d IIC IP65 or IP66

Verneuil-en-Halatte, 2004 05 10.



X. LEFEBVRE

Engineer at the Laboratory of Certification
of ATEX Equipment



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

(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 03ATEX9023U

(15) DESCRIPTION OF COMPONENT

Metallic devices intended to be fitted on flameproof enclosures for group I, IIA, IIB and IIC.

These metallic devices present the degrees of protection IP65 or IP 66 according to European standard EN 60 529.

PARAMETERS RELATING TO THE SAFETY

For the signaling units :

Maximum power of the lamp : 3,5 W

Thermal stability of the sealing resin :

- from -50°C to 180°C for sealing resin OMNISIL 609
- from -50°C to 110°C for sealing resin OMNISIL 503

MARKING

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

A - For all versions except light alloy

COELBO

I - 20047 Brugherio

E... or D...(*)

INERIS 03ATEX9023U

(Year of construction)



II 2 GD I M2

EEx d I/IIC

IP (**)

B - For light alloy versions

COELBO

I - 20047 Brugherio

E... or D...(*)

INERIS 03ATEX9023U

(Year of construction)



II 2 GD

EEx d IIC

IP (**)

(*) The points are replaced by a codification according to the manufacturing variation. The different types are defined on the descriptive documents.

(**) 65 or 66 according to the versions defined on the descriptive documents.

The whole of marking can be carried out in the language of the country of use.

The component must also carry the marking normally envisaged by the standards of construction which relate to it.

ROUTINE EXAMINATIONS AND TESTS

These components are exempted from any individual overpressure test if they are used on flameproof enclosure having a pressure test below or equal to 30 bar. Otherwise, they must undergo the individual test intended for this enclosure.

(16) DESCRIPTIVE DOCUMENTS

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

Certification file COELBO 1 rev.4 of 2004.05.07

This file signed on 2004.05.07 comprises 81 headings.

(17) SPECIAL CONDITIONS FOR SAFE USE

See 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, EN 50 018 and EN 50281-1-1.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

ADDITION

(3) **INERIS 03ATEX9023U/01**

(4) **COMMAND AND SIGNALING UNITS TYPE E.... or D....**

(5) **Made by COELBO**

(15) **PURPOSE OF THE ADDITION**

- Application of new standards EN 60079-0 : 2006, EN 60079-1 : 2004, EN 61241-0 : 2006 and EN 61241-1 : 2004.
- Introduction of a new serie type RS... or RX....
- Possibility to use a new type of resin for the window's cementing of signaling units.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

Thermal stability of the cementing resin AREXONS SIL 400 : from -50°C to 180°C.

MARKING

The marking is modified as follows:

A - For all versions except light alloy

COELBO

I - 20047 Brugherio

E... or D...or RS... or RX...(*)

INERIS 03ATEX9023U

(Year of construction)



II 2 GD I M2

Ex d I/IIC

Ex tD A21 IP(**)

B - For light alloy versions


COELBO

I - 20047 Brugherio

E... or D...or RS... or RX...(*)

INERIS 03ATEX9023U

(Year of construction)

 II 2 GD

Ex d IIC

Ex tD A21 IP(**)

(*) The points are replaced by a codification according to the manufacturing variation. The differents type are defined on the descriptive documents.

(**) 65 or 66 according to the versions defined on the descriptive documents.

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

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.

- Technical file n° COELBO 12 rev.1 of 2007.07.30

signed on 2008.01.08

(17) SPECIAL CONDITIONS FOR SAFE USE

These devices are intended to be used in an operating temperature range from -50°C to +60°C.

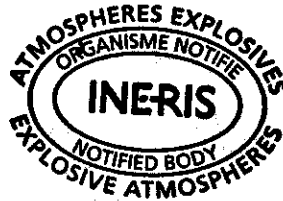
The special conditions are stipulated in the instructions.

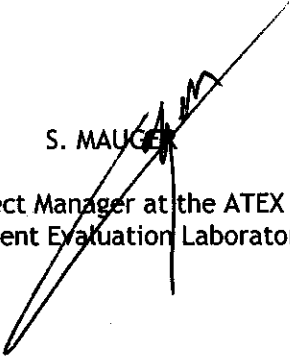
(18) **ESSENTIAL SAFETY AND HEALTH REQUIREMENTS**


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

- Conformity to the standards EN 60 079-0, EN 60 079-1, EN 61241-0 and EN 61241-1.
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2008 02 12




S. MAUGE
Project Manager at the ATEX
Equipment Evaluation Laboratory


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