



- (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 03ATEX9021U**

- (4) Component:
ENCLOSURE TYPE CCF... ou CCV...

(The points are replaced by numbers and letters corresponding to the manufacturing variations)

- (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 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 No. P48174/03.

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


- conformity with:

EN 50 014 of June 1997 + Amendments 1 and 2
EN 50 018 of November 2000 + Amendment 1
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

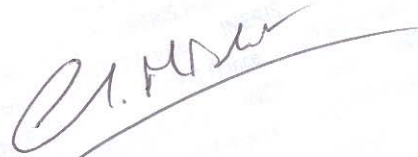
EEx d IIB IP65 or IP66

Verneuil-en-Halatte, 2003 12 30



X. LEFEBVRE

Engineer at the Laboratory of Certification
of ATEX Equipment



Director of the Certifying Body
By delegation
C. MICHOT
Certification Manager

(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 03ATEX9021U

(15) DESCRIPTION OF COMPONENT

The enclosures of different sizes are made in light alloy, they consist of in a body closed by a cover fixed by screws.

These enclosures can be fitted with rectangular or circular windows and with different control or signaling units.

These enclosures fitted with windows and with control or signaling units presents the degrees of protection IP65 without o-ring or IP66 with o-ring, according to European standard EN 60 529.

PARAMETERS RELATING TO THE SAFETY

For the signaling units :

Maximum power of the lamp : 3,5 W

Minimum and maximum admissible temperature for the sealing resin of the signaning units :

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

Minimum and maximum admissible temperature for the sealing resin of the windows :

- 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:

COELBO

I - 20047 Brugherio (MI)

CCF... or CCV... (*)

INERIS 03ATEX9021U

(Year of construction)



II 2 GD

EEx d IIB

IP (**)

EMPTY ENCLOSURE WITH Ex COMPONENT CERTIFICATE

(*) The point are replaced by a codification according to the manufacturing variations. The differents types are indicated on the descriptives documents.

(**) 65 or 66. When the cover is fitted with o-ring they presents the degrees of protection IP66.

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

According to 16.1 of standard EN 50 018, each sample of the flameproof enclosure defined above must have successfully passed before delivery an overpressure test, of a period comprised between 10 and 60 seconds, under 11.9 bar.

(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 ref.COELBO 2 rev.4 dated on 2003.10.31

This file, signed on 2003.10.31, included 109 headings.

