

- (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 04ATEX9002U**

- (4) Component:

ENCLOSURE TYPE S...I. ou SO...I.

(The points are replaced by a letters and numbers according 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. P52328/04.

- (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:



I M2 II 2GD

EEx d I/IC IP66

Verneuil-en-Halatte, 2004 10 25

X. LEFEBVRE

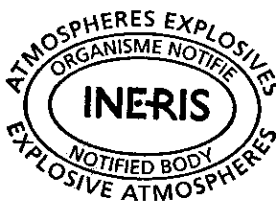
Engineer at the Laboratory of Certification
of ATEX Equipment

Director of the Certifying Body

By delegation

B. PIQUETTE

Deputy manager of Certification



(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 04ATEX9002U

(15) DESCRIPTION OF COMPONENT

The enclosure made in stainless steel, consists in a body closed by a screwed cover. The cover can be fitted with a window.

Different types are intended and listed on the descriptive documents.

This enclosure presents the degrees of protection IP66 according to European standard EN 60 529.

PARAMETERS RELATING TO THE SAFETY

Minimum and maximum temperature allowable for the resine of the sealing window : from -50°C to 150°C.

MARKING

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

COELBO
I - 20047 Brugherio (MI)

S...I.. ou SO...I.. (*)

INERIS 04ATEX9002U
(Year of construction).



I M2 II 2 GD

EEx d I/IIC

IP66

EMPTY ENCLOSURE WITH Ex COMPONENT CERTIFICATE

(*) The points are replaced by letters and numbers according to the manufacturing variation.

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 example of the apparatus defined above must have successfully passed before delivery an overpressure test, of a period comprised between 10 and 60 secondes under :

- 12.3 bar for using up to -20°C,
- 16.2 bar for using up to -50°C.

(16) DESCRIPTIVE DOCUMENTS

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

Certification file n°6 rev.1 signed on 2004.09.20

This file signed on 2004.09.30 comprises 8 headings.

(17) SPECIAL CONDITIONS FOR SAFE USE

These enclosures are intended to be used in an ambient temperatures range of -50°C to 60°C.

For Group I version :

The window underwent only one shock corresponding to an energy of low shock.

(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 04ATEX9002U/01**
- (4) **ENCLOSURE TYPE S...I... or SO...I...**
- (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.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

MARKING

The marking is modified as follows:

COELBO

I - 20047 Brugherio

S...I... or SO...I... (*)

INERIS 04ATEX9002U

(Year of construction)

 I M2/II 2 GD

Ex d I/IIC

Ex tD A21 IP66

EMPTY ENCLOSURE WITH Ex COMPONENT CERTIFICATE

(*) The points are replaced by letters and numbers according to the manufacturing variation.

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 modified as follows :

- In accordance with clause 16.1 of the EN60079-1 standard, Each component defined above has to have successfully passed the following individual tests before delivery an overpressure test of a period comprised between 10 and 60 seconds under :
 - 12.3 bar for using up to -20°C.
 - 16.2 bar for using up to -50°C.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitute the technical documentation describing the modification of the equipment, subject of this present addition.

Tecnical file n° COELBO 17 rev. 0 of 2008.02.15

signed on 2008.02.15

(17) SPECIAL CONDITIONS FOR SAFE USE

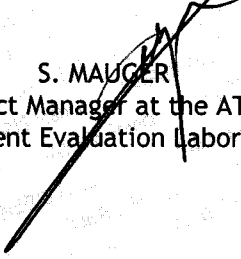
The special conditions are unchanged.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS


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

- Conformity to the standards EN 60 079-0:2006, EN 60 079-1: 2004, EN 61241-0: 2006 and EN 61241-1: 2004.
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2008 02 28


S. MAUGER
Project Manager at the ATEX
Equipment Evaluation Laboratory




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