



- (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 04ATEX0034**

- (4) Protective system or equipment :

LIMITSWITCH TYPE FCL...

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

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

- (7) This protective system or equipment 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) The 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 protective system or equipment 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 N°P55851/04

- (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 50 281-1-1	of September	1998 + A1
EN 13463-1	of November	2001
EN 13463-5	of December	2003

- 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:

 **Ex II 2 GD**

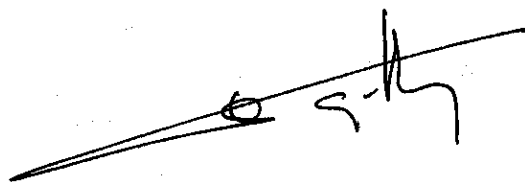
**c EEx d IIB + H2 T6
T85 IP65**

Verneuil-en-Halatte, 2004 11 10



C.PETITFRERE

**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 04ATEX0034

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

This enclosure, made in light alloy, consists in a body closed by a cover fixed by screws. It is intended to receive an electrical contact.

The enclosure presents degrees of protection IP65 according to European standard EN 60 529.

PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage : 500 V (AC) or 250 V (DC)
 Maximum intensity : 15 A
 Frequency : 50/60 Hz

MARKING

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

COELBO
 I - 20047 Brugherio

FCL... (*)
 INERIS 04ATEX0034
 (Serial number)
 (year of construction)



II 2 GD

EEx d IIB + H2 T6

T85°C IP65

T.amb : -20°C to 60°C

Use only inox screws quality : A2-70

DO NOT OPEN WHEN ENERGIZED

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

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

The protective apparatus or system must also carry the marking normally envisaged by the standards of construction which relate to it.

ROUTINE EXAMINATIONS AND TESTS

According to 16.2 of standard EN 50 018, the apparatus defined above is exempted from individual testing, since it has undergone a static type test at 4 times the reference pressure, under 22.4 bar.

(16) DESCRIPTIVE DOCUMENTS

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

Certification file ref.COELBO 7 rev.1 dated on 2004.11.09

This file, signed on 2004.11.09, includes 5 headings.

(17) SPECIAL CONDITIONS FOR SAFE USE

See instructions note.

(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, EN 13463-1, EN 13463-5 and EN 50 281-1-1.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

ADDITION

(3) INERIS 04ATEX0034/01

(4) LIMITSWITCH TYPE FCL...

(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 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 (MI)

FCL... (*)

INERIS 04ATEX0034

(Serial number)

(Year of construction)

 II 2 GD

c Ex d IIB +H2 T6

Ex tD A21 IP65 T85°C

T. amb : -20°C +60°C

WARNINGS : DO NOT OPEN WHEN ENERGIZED
USE SCREWS WITH MINIMUM QUALITY A2-70

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

In accordance with clause 16.2 of the EN 60079-1 standard, the equipment defined above is exempted of routine test in owing to the fact that it has undergone a static type test at 4 times the reference pressure under 22.4 bar.

(16) DESCRIPTIVE DOCUMENTS

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

Certification file n° COELBO 22 (4 rubrics)

signed on 2009.02.27

(17) SPECIAL CONDITIONS FOR SAFE USE

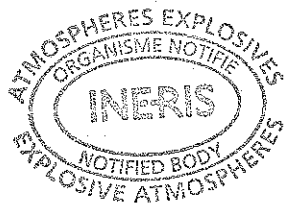
None.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

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

- Conformity to the standards quoted on page 1, clause (15).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2009 07 03



A handwritten signature in black ink, appearing to read "T. Houeix".

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