



(1) **EC TYPE EXAMINATION CERTIFICATE**

(2) **Equipment or protective system intended for use  
in potentially explosive atmospheres  
Directive 94/9/EC**

(3) EC type examination certificate number: **ISSeP10ATEX034X**

(4) Equipment or protective system:  
- Cable entries type IR\*\*\* and IB\*\*\*.

(5) Applicant – Manufacturer – ~~Authorized representative in the Community:~~  
Index Elektro B.V.

(6) Address: Harregatplein 15  
3214 VP Zuidland  
The Netherlands

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) ISSeP, notified body n° 0492 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in annex II to the Directive.

The examination and test results are recorded in confidential report n° 10018.1.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with the following documents:

EN 60079-0: 2009	EN 60079-1: 2007
EN 60079-7: 2007	EN 60079-31: 2009

(10) If the symbol "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to 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 this Directive may 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 protective system shall include the following indications:

(Refer to (15) – Marking)

Colfontaine, 20.07.2010.

INSTITUT SCIENTIFIQUE DE SERVICE PUBLIC  
Zoning A. Schweitzer,  
rue de la Platinerie  
B-7340 COLFONTAINE (Wasmes)  
Tel: ++ 32 65 610811 –  
Fax: ++ 32 65 610808  
e-mail : colfontaine@issep.be



Lambert Marcel,  
Directeur.

This certificate may only be reproduced in its entirety and without any change, schedule included



(13)

## SCHEDULE

(14)

### EC TYPE EXAMINATION CERTIFICATE N<sup>R</sup> ISSeP10ATEX034X

(15)

#### Description of the equipment or protective system

- Cable entries type IR\*\*\* and IB\*\*\* made of brass, brass nickel plated or stainless steel.
- There are for 'increased safety', 'flameproof' and 't' environments.
- IB\*\*\* cable entries are intended to be used as barrier glands.  
Without 2 components resin, IB\*\*\* cable entries are equivalent to IR\*\*\* cable entries.
- The degree of protection is IP66.

#### Marking (reduced marking)

- Name or registered trade mark of the manufacturer.
- Manufacturer's type identification.
- Codes:
  - $\text{Ex}$  I/II 2 G / Ex d I/IIC Gb
  - $\text{Ex}$  I/II 2 G / Ex e I/IIC Gb
  - $\text{Ex}$  III 2 D / Ex tb IIIC Db IP66
- Indication of the testing station followed by the certificate number.
- Marking normally required by the standards of construction of the electrical apparatus.

#### Routine verifications and tests (clause 27 of EN 60079-0)

- The manufacturer shall make the routine verifications and tests necessary to ensure that the electrical apparatus produced complies with the specification submitted to the testing station together with the prototype or sample.

#### Eventual prescriptions

- According to the notices C07 and C08.

(16)

Report n° 10018.1 completed by 15 descriptive documents.

(17)

Special condition for safe use : (Symbol X)

- Group I only: Cable entries may not be exposed to specific chemical agents (oils, greases and hydraulic liquids for mining applications).
- Temperatures:
  - EPDM sealing rings:  $-40^{\circ}\text{C} \leq \text{Ta} \leq +100^{\circ}\text{C}$
  - Silicone sealing rings:  $-70^{\circ}\text{C} \leq \text{Ta} \leq +220^{\circ}\text{C}$

(18)

Essential Health and Safety Requirements

The Essential Health and Safety Requirements are covered by:

- The conformity to European Standards listed at (9).
- All safety measures taken by the manufacturer and described in the descriptive documents.

This certificate may only be reproduced in its entirety and without any change, schedule included