



Institut scientifique  
de service public

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Recherche - Analyses  
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(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: **ISSEP11ATEX019**

(4) Equipment or protective system: Control / Distribution Box type INDEX x.xx.xxx.

(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° 10001/1.

(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 60079-31: 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, 28/06/2011.

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Lambert Marcel,  
Directeur.

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(13)

## SCHEDULE

(14)

### EC TYPE EXAMINATION CERTIFICATE N<sup>R</sup> ISSePIIATEX019

(15) Description of the equipment or protective system

- Control and distribution boxes type INDEX x.xx.xxx, for fixed installation, in type of explosion protection "Ex d" or "Ex e" for mounting of, separately certified, switchgear, control gear, measuring instruments, actuator elements, indicator lights and inspection windows.
- The apparatus marking is completed by using the codes "d", "e", "[ia]" and "[ib]", as applicable, depending on the built-in apparatus and components. For intrinsically safe circuits, the area for the terminals is marked, e.g. by using light blue colour.
- The ambient temperature range is depending on the specifications of the ATEX certified Ex d or Ex e box used.
- The temperature class T6 to T4 of the complete boxes is based upon the temperature / temperature class of the built-in apparatus. The highest temperature class is the one to be taken into account.
- According to EN 60079-31, the maximum surface temperature T80°C to T130°C is in relation with the temperature class of the control and distribution box.

#### Electrical data

- The data are dependent on the built-in components and terminals used and are to be taken from the applicable certificates and manufacturer's data.

Rated supply voltage: Max. 1000 V

Rated supply current: Max. 1000 A

Generated voltage: Max. 25 kV

Nominal conductor cross section area: Max. 400 mm<sup>2</sup>

#### Specific markings of protection and codes

- Refer to the document "Raamdocument", page 9/10.

-  II 2 G / Ex d...IIB/IIC... T6 to T4 Gb/Gc

-  II 2 D / Ex t IIB/IIC T80°C to T130°C Db/Dc

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## SCHEDULE

### EC TYPE EXAMINATION CERTIFICATE N<sup>R</sup> ISSeP11ATEX019

#### 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 notice "Safety and Maintenance Instruction".

(16) Report n° 10001/1 completed by 23 descriptive documents.

(17) Special conditions for safe use

- Accumulation of dust must be avoided on the boxes.

(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.