

(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: **KEMA 04ATEX2083**

(4) Equipment or protective system: **Control / Distribution box, Type INDEX x.xx.xxx**

(5) Manufacturer: **Index Elektro B.V.**

(6) Address: **Kerkweg 80, 3214 VE 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) KEMA Quality B.V., notified body number 0344 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 no. 2070390.


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

EN 50014 : 1997 EN 50018 : 2000 EN 50019 : 2000
EN 50020 : 2002 EN 50281-1-1 : 1998

(10) If the sign "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 according 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 protective system shall include the following:

 **II 2 GD EEx e... II.. T6 ... T4 T 80 °C ... T 130 °C**
 or
EEx d... II.. T6 ... T4 T 80 °C ... T 130 °C

Arnhem, 2 April 2004
 KEMA Quality B.V.



C.G. van Es
 Certification Manager

* This Certificate may only be reproduced in its entirety and without any change

SCHEDULE

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(14)

to EC-Type Examination Certificate KEMA 04ATEX2083

(15) **Description**

Control and distribution boxes Type INDEX x.xx.xxx, for fixed installation, in type of explosion protection "e" or "d", 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 a light blue colour.

The standard ambient temperature range is depending on the specifications of the ATEX certified EEx d or EEx e enclosure used.

The temperature class T4 ... T6 of the complete unit is based on the temperature (class) of the built-in apparatus. The highest temperature class is normative.

The maximum surface temperature T 80 °C, T 95 °C or T 130 °C according to EN 50281-1-1 is related to 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 manufacturers data.

Rated supply voltage	max. 1000 V
Rated supply current	max. 1000 A
Generated voltage	max. 25 kV
Nominal conductor cross section	max. 400 mm ²

Installation instructions

The operating instructions as provided by the manufacturer shall be followed in detail to assure proper and safe operation of the equipment.

Routine tests

Each control and distribution box which is ready for use, shall be subjected to routine tests according to EN 50019, clause 7.1 and/or EN 50020 clause 11.2 as applicable, using the applicable test voltage and test time, without breakdown.

(16) **Report**

KEMA No. 2070390.

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

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(19) **Test documentation**

1. Description (10 pages)

2. List of components

3. Example product marking

dated

02.04.2004

20.02.2004

02.04.2004

SAMPLE