

(1) **EC-TYPE EXAMINATION CERTIFICATE**

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 02ATEX2273** Issue Number: **2**

(4) Equipment: **Control / Distribution box, series CBE...**

(5) Manufacturer: **Electromach b.v., Member of the R. STAHL Technology Group**

(6) Address: **Jan Tinbergenstraat 193, 7559 SP Hengelo, The Netherlands**

(7) This equipment 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 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 test report number 212646600-3.

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

**EN 50014 : 1997**

**EN 50019 : 2000**

**EN 50281-1-1 : 1998**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:



**II 2 GD**

**EEx e... II.. T6 ... T4  
T 80 °C ... T 130 °C**

This certificate is issued on August 6, 2009 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.

C.G. van Es  
Certification Manager



(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 02ATEX2273** Issue No. 2

(15) **Description**

Control and distribution boxes series CBE..., for fixed installation, made of stainless or sheet steel, 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”, “q”, “m”, “[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 -20 °C to +40 °C. The CBE control and distribution boxes are also available with an ambient temperature range of -20 °C to +55 °C.

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 and based on a maximum ambient temperature of +55 °C.

**Electrical data**

The data are dependent on the built-in apparatus and are to be taken from the applicable certificates and manufacturers data.

Rated voltage.....	max. 11 kV
Rated current.....	max. 1250 A
Nominal conductor cross section.....	max. 300 mm <sup>2</sup>
Degree of protection.....	IP 54 (gas) or IP 6X (dust) according to EN 60529

**Installation instructions**

The manual provided with the equipment shall be followed in detail to assure safe operation.

**Routine tests**

Each CBE 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) **Test Report**

KEMA No. 212646600-3.

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

None.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 02ATEX2273**

Issue No. 2

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 212646600-3.