

(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 08ATEX0123** Issue Number: **1**

(4) Equipment: **Control/Distribution Panel Types BARTEC B, C, D and E**

(5) Manufacturer: **BARTEC NEDERLAND b.v. and/or BARTEC GmbH**

(6) Address (1): **Boelewerf 25, 2987 VD Ridderkerk, The Netherlands**

Address (2): **Max-Eyth-Straße 16, 97980 Bad Mergentheim, Germany**

(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 210688500.

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

EN 60079-0 : 2006 EN 60079-1 : 2004 EN 60079-7 : 2003
EN 61241-0 : 2006 EN 61241-1: 2004

(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 G Ex d... IIB, IIB + H₂ or IIC T6 to T4
II 2(1, 2 or 3) G Ex d... IIB, IIB + H₂ or IIC T6 to T4

II 2 G Ex e... II... T6 to T4
II 2(1, 2 or 3) G Ex e... II... T6 to T4

II 2 D Ex tD... A21 T80 °C to T130 °C
II 2(1, 2 or 3) D Ex tD...A21 T80 °C to T130 °C

This certificate is issued on July 15, 2008 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.


T. Pijpker
Certification Manager

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 08ATEX0123**

Issue No. 1

(15) **Description**

The Control/Distribution Panel consists of one or more enclosures in type of protection flameproof enclosure "d", increased safety "e" or protection by enclosure "tD" in which the electrical apparatus is mounted. Combinations of enclosures are allowed and separately certified electrical apparatus can be installed in or mounted to the enclosure, according to the technical details laid down in the test documentation.

The apparatus marking is completed by using the codes e, d, [e], ia, ib, [ia], [ib], [ic], [nL], [p], [px], [py], [pz] m, ma, mb, op is, op pr, op sh, [op is], [op pr], [op sh], q, iaD, ibD, [iaD], [ibD], [icD] or [pD] as applicable, depending on the built-in apparatus and components.

Max. ambient temperature range -55 °C to +80 °C, where applicable limited by the built-in apparatus and components used.

Electrical data

The data are dependent on the built-in apparatus and the cable entries and line bushings used and are to be taken from the applicable certificates and manufacturers data.

Rated supply voltage	:	max. 1000 Vac or 1500 Vdc
Rated supply current	:	max. 1000 A
Working voltage in Ex d or Ex tD only	:	max. 25 kV
Working voltage as soon as Ex e applies	:	max. 11 kV

Installation instructions

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

(16) **Test Report**

KEMA No. 210688500.

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

None.

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

Assured by compliance with the standards listed at (9) and where applicable other specific standards depending on the types of protection used for the built-in apparatus and components.

(19) **Test documentation**

As listed in Test Report No. 210688500.