

# CERTIFICATE

## (1) EU-Type Examination

(2) Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: **DEKRA 13ATEX0209** Issue Number: **3**

(4) Product: **Control/distribution panels, Series BARTEC B/C/D/E and BARTEC B/C/D/E-ASSEMBLY**

(5) Manufacturer: **Members of the BARTEC group**

(6) Address: **See item (21) of this certificate**

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

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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 NL/DEK/ExTR13.0080/02.

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

<b>EN 60079-0 : 2012 + A11 : 2013</b>	<b>IEC 60079-0 : 2017</b>	<b>EN 60079-1 : 2014</b>
<b>EN 60079-5 : 2015</b>	<b>EN 60079-7 : 2015 + A1 : 2018</b>	<b>EN 60079-11 : 2012</b>
<b>EN 60079-18 : 2015 + A1 : 2018</b>	<b>EN 60079-28 : 2015</b>	<b>EN 60079-31 : 2014</b>

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



<b>II 2(..) G Ex db ... [.. G..] IIB + H<sub>2</sub> T6 to T3 Gb</b>	<b>(BARTEC B(-ASSEMBLY))</b>
<b>II 2(..) G Ex db ... [.. G..] IIC T6 to T3 Gb</b>	<b>(BARTEC C(-ASSEMBLY))</b>
<b>II 2(..) D Ex tb ... [.. D..] IIIC T80°C to T130°C Db</b>	<b>(BARTEC D(-ASSEMBLY))</b>
<b>II 2(..) G Ex eb ... [.. G..] IIB / IIC T6 to T3 Gb</b>	<b>(BARTEC E(-ASSEMBLY))</b>
<b>II 2(..) G Ex ia / ib ... [.. G..] IIB / IIC T6 to T4 Gb</b>	<b>(BARTEC E(-ASSEMBLY))</b>

Additional markings are provided depending on the certified components used in the actual construction.

Date of certification: 25 April 2018

DEKRA Certification B.V.

  
T. Pijpker  
Certification Manager

Page 1/3



Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0209**

Issue No. 3

(15) **Description**

The control/distribution panels consist of one (Series BARTEC B/C/D/E) or more (Series BARTEC B/C/D/E-ASSEMBLY) enclosures made of aluminium, stainless steel, sheet steel, carbon steel or black reinforced polyester, as applicable and depending on the type of protection. The enclosures accommodate measuring, control and switchgear as well as terminals for intrinsically and/or non-intrinsically safe circuits and may be fitted with actuator elements, indicator lights and inspection windows. Field wiring connections are made either direct by means of suitable certified cable entries and/or plugs and sockets or indirect using connection boxes mounted to the main enclosure.

**Electrical data**

Rated supply voltage and current:	maximum 1000 Vac / 1500 Vdc, maximum 1000 A
Working voltage:	maximum 25 kV (Ex db and Ex tb) or 11 kV (Ex eb)
Conductor cross area:	maximum 800 mm <sup>2</sup>
Ambient temperature range:	-60 °C to +80 °C maximum
Degree of ingress protection:	IP54 up to IP66/67/68

The actual technical data, types of protection, ambient temperature range, IP rating and EPL depend on the applied equipment and components and are indicated on the marking label.

**Installation instructions**

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR13.0080/02.

(17) **Specific conditions of use**

None.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR13.0080/02.

(20) **Certificate history**

Issue 1 - 215993700	Initial certificate
Issue 2 - 217858900	Addition of additional manufacturing locations, addition of BARTEC EFB enclosures, exclusion of "op sh".
Issue 3 - 222340300	Assessment to the latest editions of the applicable standards, addition of manufacturing location, deletion of Ex p, addition of various types of enclosures, extension of maximum ambient temperature range, extension of maximum conductor cross sectional area, addition of IP68 degree of ingress protection.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0209**

Issue No. 3

(21) **Manufacturers**

1. BARTEC NEDERLAND B.V., Boelewerf 25, 2987 VD Ridderkerk, The Netherlands
2. BARTEC Technor AS, Vestre Svanholmen 24, NO-4313 Sandnes, Norway
3. BARTEC Varnost d.o.o., Cesta 9. Avgusta 59, 1410 Zagorje ob Savi, Slovenia
4. BARTEC Explosion Proof Appliances (Shanghai) Co. Ltd., New Building 7, No. 188 Xinjun Ring Road, Caohejing Pujiang Hi-Tech Park (Pudong Area), Minhang District, 201114 Shanghai, P.R. China
5. BARTEC Pte. Ltd, 63 Hillview Avenue, #07-20/23 Lam Soon Building, 669569 Singapore, Singapore
6. BARTEC GmbH, Max-Eyth-Strasse 16, 97980 Bad Mergentheim, Germany
7. BARTEC Middle East FZE, RA-08, HB-01, Jebel Ali free zone, PO BOX 17830 Dubai, United Arab Emirates