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 13ATEX0209X** Issue Number: **5**

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

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

(6) Address: **See item (20) 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/ExTR13.0080/04.

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

EN IEC 60079-0 : 2018	**EN 60079-1 : 2014**	**EN 60079-5 : 2015**
EN 60079-7 : 2015 + A1 : 2018	**EN 60079-11 : 2012**	**EN 60079-18 : 2015 + A1 : 2017**
EN 60079-28 : 2015	**EN 60079-31 : 2014**	**EN 60079-30-1 : 2017**

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:

II 2(..) G	**Ex db … IIB / IIB + H_2 T6…T3 Gb**	(BARTEC B(-COMBO))
II 2(..) G	**Ex db … IIC T6…T3 Gb**	(BARTEC C(-COMBO))
II 2(..) D	**Ex tb … IIIC T80 °C…T130 °C Db**	(BARTEC D(-COMBO))
II 2(..) G	**Ex eb … IIB / IIC T6…T3 Gb**	(BARTEC E(-COMBO))
II 2(..) G	**Ex ia / ib … IIB / IIC T6…T4 Gb**	(BARTEC E(-COMBO))

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

Date of certification: 24 September 2024
DEKRA Certification B.V.

L.G. van Schie
Certification Manager

Throughout this document, a point is used as the decimal separator.

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(13) # SCHEDULE

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0209X** Issue No. **5**

(15) **Description**

The control / distribution panels consist of one (Series BARTEC B/C/D/E) or more (Series BARTEC B/C/D/E-COMBO) 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 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.

Where applicable, the contents of the control / distribution panels are separately certified as Ex equipment or as Ex component (for example Ex e terminal blocks, Ex i isolators and barriers, Ex m solenoids, etc.). Inside Ex d and Ex t enclosures non-Ex certified equipment and components may be mounted.

Technical Data:

Rated supply voltage	: up to 1000 VAC or 1500 VDC
Rated supply current	: up to 1000 A
Working voltage (secondary)	: up to 25 kV (for Ex db and Ex tb only)
	: up to 11 kV (when Ex eb applies)
Nominal conductor cross area	: up to 800 mm²
Maximum ambient temperature range	: -60 °C to +80 °C
Ingress Protection, IP degree	: IP 54 up to IP 66/67/68

For more details see the Annex 1 to Report No. NL/DEK/ExTR13.0080/04.

Installation instructions

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

(16) **Report Number**

NL/DEK/ExTR13.0080/04.

(13) # SCHEDULE

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0209X** Issue No. **5**

(17) **Specific conditions of use**

For all series:

- Control Panels containing pilot lights or windows shall be installed in such a way that the risk of mechanical damage is low.
- The risk of electrostatic charge shall be minimized for applications with either painting, coating, mimic panels, touch screens or windows and plastic labeling. See the user manual.
- Enclosures and parts of enclosures type 07-5185-****/**** (black enclosures made of dissipative material) shall be properly earthed via installation.
- The instructions about Specific Conditions of Use are completed by those stipulated in the instruction manual of the manufacturer and of each Ex Equipment (like cable entry devices) fitted on the final product.

BARTEC B and C series:

- Cover bolts shall be of the property class of at least A*-70, A*-80, 10.9 or 12.9 and be of the type as specified in the user manual.
- When drain valve model ECD is installed, the IP66 rating is guaranteed only if the drain valve is in closed position, otherwise it is IP6X.
- The flameproof joints may have sizes in min. length or max. gap considered superior from those specified in the tables of IEC 60079-1. Flameproof joints are not intended to be repaired by the customer. Please contact the manufacturer.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR13.0080/04.

(20) **Manufacturers**

1. BARTEC GmbH, Max-Eyth-Staße 16, 97980 Bad Mergentheim, Germany
2. BARTEC NEDERLAND B.V., Boelewerf 25, 2987 VD Ridderkerk, The Netherlands
3. BARTEC Pte Ltd, 63 Hillview Avenue, #07-18 to #07-/23 Lam Soon Industrial Building Singapore, 669569 Singapore
4. BARTEC Explosion Proof Appliances (Shanghai) Co. Ltd., New Building 7, No. 188 Xinjung Rind Rd., Caohejing Pujiang Hi-tech park, Minhang District, Shanghai China
5. BARTEC AS, Vestre Svanholmen 24, 4313 Sandnes, Norway
6. BARTEC F.N. S.R.L., Via M. Pagano, 3 I - 20090 Trezzano sul Naviglio (MI), Italy
7. BARTEC MIDDLE EAST LLC, Building N° 3501, Hussain Bin Ali Street, Qatif Industrial Area, AL KHOBAR 3685, Saudi Arabia
8. FENEX S.r.l., Via Carducci 16, I - 34070 Moraro (GO), Italy
9. Bartec Varnost d.o.o., Cesta 9. avgusta 59, SI-1410 Zagorje ob Savi, Slovenia