IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx DEK 13.0075X**	Page 1 of 6	Certificate history:
Status:	**Current**	Issue No: 4	Issue 3 (2021-02-16) Issue 2 (2018-04-25) Issue 1 (2015-02-13) Issue 0 (2013-12-20)
Date of Issue:	2024-09-24		

Applicant: **BARTEC NEDERLAND B.V.**
Boelewerf 25
2987 VD Ridderkerk
Netherlands

Equipment: **Control / distribution panels, Series BARTEC B/C/D/E and BARTEC B/C/D/E-COMBO**

Optional accessory:

Type of Protection: **d e i m op q t and 60079-30-1**

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

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

Approved for issue on behalf of the IECEx Certification Body: **L.G. van Schie**

Position: **Certification Manager**

Signature:
(for printed version)

Date:
(for printed version) 2024-09-24

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands

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Certificate No.: **IECEx DEK 13.0075X**

Date of issue: 2024-09-24 Issue No: 4

Manufacturer:
BARTEC GmbH
Max-Eyth-Staße 16
97980 Bad Mergentheim
Germany

Manufacturing locations:

BARTEC GmbH
Max-Eyth-Staße 16
97980 Bad Mergentheim
Germany

BARTEC NEDERLAND B.V.
Boelewerf 25
2987 VD Ridderkerk
Netherlands

BARTEC Pte Ltd
63 Hillview Avenue
#07-18 to #07-/23 Lam Soon Industrial Building
Singapore 669569
Singapore

See following pages for more locations

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1:2014 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11:2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-18:2017 Edition:4.1	Explosive atmospheres - Part 18: Protection by encapsulation "m"
IEC 60079-28:2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
IEC 60079-31:2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-5:2015 Edition:4.0	Explosive atmospheres –Part 5: Equipment protection by powder filling “q”
IEC 60079-7:2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC/IEEE 60079-30-1:2015 Edition:1.0	Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

NL/DEK/ExTR13.0080/04

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Quality Assessment Reports:

DE/TUN/QAR06.0017/15
FR/INE/QAR17.0001/06
IT/CES/QAR09.0003/16
IT/CES/QAR12.0006/10
NL/DEK/QAR11.0034/07
NL/DEK/QAR12.0059/08
NL/DEK/QAR12.0061/10
NO/DNV/QAR23.0002/01
SI/SIQ/QAR11.0003/08

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

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.

See Annex for further details.

SPECIFIC CONDITIONS OF USE: YES as shown below:
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.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Change of the manufacturer from BARTEC Netherlands B.V. to BARTEC GmbH and name change of some manufacturing locations.
2. Wording ASSEMBLY in the name of the equipment is changed into COMBO. Other parts of the type designation of the control / distribution panels are not changed
3. Specific Conditions of Use are added to the certificate based on the used components.
4. Introduction of Type of Protection [60079-30-1] because of ETM-25 controller/limiter.

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Additional manufacturing locations:

BARTEC Explosion Proof Appliances (Shanghai) Co. Ltd.
New Building 7
No. 188 Xinjung Rind Rd.
Caohejing Pujiang Hi-tech park
Minhang District, Shanghai
China

BARTEC AS
Vestre Svanholmen 24
Sandnes 4313
Norway

BARTEC F.N. S.R.L.
Via M. Pagano, 3
I - 20090 Trezzano sul Naviglio (MI)
Italy

BARTEC MIDDLE EAST LLC
Building N° 3501
Hussain Bin Ali Street
Qatif Industrial Area
AL KHOBAR 3685
Saudi Arabia

Bartec Varnost, d.o.o.
Cesta 9. avgusta 59
1410 Zagorje ob Savi
Slovenia

FENEX S.r.l.
Via Carducci, 16
I - 34070 MORARO (GO)
Italy

Annex:

228674900-Annex 1 to ExTR13.0080.04.pdf