



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx DEK 13.0075 Issue No: 2 Certificate history:  
Status: **Current** Issue No. 2 (2018-04-25)  
Date of Issue: **2018-04-25** Page 1 of 4 Issue No. 1 (2015-02-13)  
Applicant: **BARTEC NEDERLAND B.V.** Issue No. 0 (2013-12-20)  
Boelewerf 25  
2987 VD Ridderkerk  
**The Netherlands**

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

Type of Protection: **d e i m o p q and t**

Marking:  
BARTEC B (-ASSEMBLY): Ex db ... IIB / IIB + H<sub>2</sub> T6 ... T3 Gb  
BARTEC C (-ASSEMBLY): Ex db ... IIC T6 ... T3 Gb  
BARTEC D (-ASSEMBLY): Ex tb ... IIIC T80 °C ... T130 °C Db  
BARTEC E (-ASSEMBLY): Ex eb ... IIB / IIC T6 ... T3 Gb  
BARTEC E (-ASSEMBLY): 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:

T. Pijpker

Position:

Certification Manager

Signature:  
(for printed version)

Date:

2018-04-25

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**DEKRA Certification B.V.**  
Meander 1051,  
6825 MJ Arnhem  
The Netherlands





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Manufacturer: **BARTEC NEDERLAND B.V.**  
SEE ANNEX FOR ALL MANUFACTURING LOCATIONS  
**The Netherlands**

Additional Manufacturing location(s):

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 apparatus 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:

<b>IEC 60079-0 : 2017</b> Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-11 : 2011</b> Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-18 : 2017</b> Edition:4.1	Explosive atmospheres - Part 18: Protection by encapsulation "m"
<b>IEC 60079-28 : 2015</b> Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-5 : 2015</b> Edition:4.0	Explosive atmospheres -Part 5: Equipment protection by powder filling "q"
<b>IEC 60079-7 : 2017</b> Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/ExTR13.0080/02](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/09](#)

[GB/ITS/QAR15.0008/01](#)

[NL/DEK/QAR11.0034/04](#)

[NL/DEK/QAR12.0059/03](#)

[NL/DEK/QAR12.0061/04](#)

[NO/NEM/QAR07.0003/10](#)

[SI/SIQ/QAR11.0003/04](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The control / distribution panels consist of one (Series BARTEC B/C/D/E) ore 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 accomodate 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.

See Annex for further details.

### TECHNICAL 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.

**SPECIFIC CONDITIONS OF USE: NO**



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

### Issue 2:

- Assessment to the latest editions of the applicable standards
- Addition of new 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

### Annex:

[Annex to IECEx DEK 13.0075 Issue 2.pdf](#)