



# 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 NEM 10.0003U	Issue No: 3	<u>Certificate history:</u> Issue No. 3 (2013-12-04) Issue No. 2 (2013-09-23) Issue No. 1 (2011-02-17) Issue No. 0 (2010-12-21)
Status:	<b>Current</b>	Page 1 of 5	
Date of Issue:	<b>2013-12-04</b>		
Applicant:	<b>Bartec Technor AS</b> Dusavikveien 39 4003 Stavanger <b>Norway</b>		
Electrical Apparatus: <i>Optional accessory:</i>	<b>Empty enclosure</b>		
Type of Protection:	<b>Flameproof enclosures "d" and "tD"</b>		
Marking:	Ex d IIB Gb Ex tD A21 IP66/67/68		

*Approved for issue on behalf of the IECEx  
Certification Body:*

Asle Kaastad

*Position:*

Certification Manager, Ex-products

*Signature:  
(for printed version)*

*Date:*

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:

**NEMKO**  
**Gaustadelleen 30**  
**Oslo N-0314**  
**Norway**





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Manufacturer: **Bartec Technor AS**  
Dusavikveien 39  
4003 Stavanger  
Norway

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 electrical 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 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 61241-0 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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:

<a href="#">NO/NEM/ExTR10.0006/00</a>	<a href="#">NO/NEM/ExTR10.0006/01</a>	<a href="#">NO/NEM/ExTR10.0006/02</a>
<a href="#">NO/NEM/ExTR10.0006/03</a>		

#### Quality Assessment Report:

<a href="#">NO/NEM/QAR07.0003/00</a>	<a href="#">NO/NEM/QAR07.0003/01</a>	<a href="#">NO/NEM/QAR07.0003/02</a>
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## Schedule

### EQUIPMENT:

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

This Certificate covers empty enclosure of stainless steel which may be equipped with:

- one or more certified Ex e box on any side of the enclosure.
- internal hinges
- glass window in lid, walls and bottom of enclosure
- threaded holes in lid, walls and bottom side of enclosure
- maximum number of entries are 18, maximum size are M42. Positions are described on drawing made for each standard size of box. Drawing with a reference number BCD-40-3

TNBCD XX YY ZZ

XX: Dimension of box, depth in cm, max 38.

YY: Dimension of box, height in cm, 19 to 57.

ZZ: Dimension of box, width in cm, 19 to 57.

Material: CD = Stainless Steel AISI 316L/CF-3M

Manufacturer: TNB

**CONDITIONS OF CERTIFICATION: NO**



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## **EQUIPMENT (continued):**

### **Schedule of Limitations**

Certification with Tamb. -50°C is limited to enclosure TNBCD 575738 with lid of stainless steel and lid with window type 195 according to drawing CDX-75-4. Tamb. -20°C for other designs.

IP67 and IP 68 – 0,4 bar only for TNBCD, without windows, with gasket according to BCD-14-4.

Degree of Ingress protection according to EN60529 has not been tested with the arrangement with lamp globe, push buttons and window according to BCD47-02-4.

When windows according BCD-55-4 are used the temperature on the cementing/window shall not exceed +70°C. For other windows the temperature on the cementing/window shall not exceed +90°C.

Maximum number of entries are 18, maximum size are M42. Positions are described on drawing made for each standard size of box. Drawing with a reference number BCD-40-3

Rotating machines, or other devices which create turbulence, shall not be incorporated.

Oil-filled circuit-breakers and contactors shall not be used.



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

Issue 1: Certificate updated to include Schedule of limitations and revised text in the "Equipment" field

Issue 2: Upgrade to IEC 60079-0: 2011 and IEC 60079-1: 2007

Issue 3: Correction of misprinted type reference in Schedule of Limitations