



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

Certificate No.: IECEx TUN 12.0013U Issue No: 0 Certificate history:
Issue No. 0 (2013-08-29)

Status: **Current** Page 1 of 3

Date of Issue: **2013-08-29**

Applicant: **BARTEC TECHNOR AS**
Dusavikveien 39
4003 Stavanger
Norway

Equipment: **Flameproof Enclosures type: TNXCD XXXX**
Optional accessory:

Type of Protection: **"d" resp. "e" or "t"**

Marking:
Ex d IIC Gb resp. Ex de IIC Gb or Ex tb IIIC Db
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Approved for issue on behalf of the IECEx
Certification Body:

Andreas Meyer

Position:

Head of the IECEx Certification Body

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:

TÜV NORD CERT GmbH
Hanover Office
Am TÜV 1
30519 Hannover
Germany





IECEX Certificate of Conformity

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Date of Issue: **2013-08-29** Page 2 of 3
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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	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:

[DE/TUN/ExTR12.0013/00](#)

Quality Assessment Report:

[NO/NEM/QAR07.0003/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The enclosures type TNXCD are tested as empty enclosures

CONDITIONS OF CERTIFICATION: NO

Annex:

[attachment to 12.0013 U.pdf](#)

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 Attachment to IECEx TUN 12.0013 U Issue 0

The Enclosures, type: TNXCD are certified as empty enclosures. When the product is finally mounted with internal components the final certification must take place.

Type key:

TNXCD Ex "d"			
TNXCD	Diameter [mm]	Tube length [mm]	
XCD1003200	101	193	
XCD1003360	101	360	
XCD1303100	132	100	
XCD1303200	132	200	
XCD1303360	132	360	
XCD1953290	195	290	
TNXCD Ex "de"			
TNXCD	Diameter [mm]	Tube length [mm]	Junction box "e" [mm]
XCD1002200	100	193	39
XCD1002360	100	360	39
XCD1301100	130	100	45
XCD1301200	130	200	45
XCD1301360	130	360	45
XCD1951290	195	290	59

Technical data:

IP 64 (with terminal box)	IP 66 (without terminal box)
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Enclosure / part	Ta min	Ta max	Max. service temperature
polycarbonate dome	-50 °C		100 °C
cementing between the housing and the light transmitting part	-50 °C		80 °C
"d" enclosure (without terminal box)	- 50 °C (see also routine test)	60 °C	
"de" enclosure (with terminal box)	-20 °C	60 °C	Gasket of the terminal box: 90 °C
"t" enclosure (with terminal box)	-20 °C		
"t" enclosure with NBR 70 o-rings (without terminal box)	-30 °C		O-rings: 100 °C
"t" enclosure with Viton o-rings (without terminal box)	-20 °C		O-rings: 100 °C
"t" enclosure with VMQ-Silicone o-rings (without terminal box)	-50 °C		O-rings: 100 °C