



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 PRE 14.0051X Issue No: 1 Certificate history:
Status: **Current** Page 1 of 5 [Issue No. 1 \(2015-03-09\)](#)
Date of Issue: **2015-03-09** [Issue No. 0 \(2014-12-12\)](#)

Applicant: **Bartec Technor AS**
Post Box 658, Dusavikv. 39,
4007 Stavanger
Norway

Electrical Apparatus: **Excite Explosion Proof Status Lights - BSL 125 & BSL 150**
Optional accessory:

Type of Protection: **Flameproof and dust Ignition Protection by enclosure**

Marking:
Ex d IIC T4~T6 Gb
Ex tb IIIC T135°C~T85°C(Tamb=-40°C to +70°C) IP66

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

Asle Kaastad

Position:

Certification manager

*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](#).

Certificate issued by:

DNV Nemko Presafe AS
Gaustadalleen 30
P.O.Box 73 Blindern
0314 Oslo
Norway





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Manufacturer: **Bartec Technor AS**
Post Box 658, Dusavikv. 39,
4007 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:1

*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:

CN/CQM/ExTR13.0042/00

NO/NEM/ExTR13.0030/00

NO/PRE/ExTR14.0047/01

Quality Assessment Report:

NO/NEM/QAR07.0003/07



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This report covers two types of Status Light/ Lamps ; BSL-125 is stainless steel and BSL-150 is GRP. This product consists of a combination of several units installed on a mounting plate for wall mounting. The single unit is made up of; Main body and front-cover, connected together by a spigot joint. A glass dome is installed in the front-cover by using a cemented joint. Inside the enclosure it's installed different PCB, terminals and light sources. To electrically connect the different units together it's installed a connection device (type CT 20) with cemented joint. This is screwed into the different units by using Ex threads (M20* 1,5).

Each individually unit have four optional sizes of cable entries (M20/M25 or 1/2NPT, 3/4NPT).

Type Identification

Type BSL-125/150-(X), is X numbers of beacons connected together.
Type BSL-125/150-(X)J, is X numbers of beacons and one junction box.
Type BSL-125/150-(X)P, is X numbers of beacons and one push-bottom

Electrical Data

Voltage ≤ 48 VDC, 100~240V AC(50/60Hz), 50/75/100/125 Watts max.

Degrees of protection (IP Code):

IP 66

CONDITIONS OF CERTIFICATION: YES as shown below:

Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of EN/IEC 60079-1.



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EQUIPMENT (continued):

Ambient temperature

| Product | Ambient temperature | Marking |
|----------------------|---------------------|--|
| BSL 125 & 150 Series | Tamb=-40°C~+70°C | Ex d IIC T4 Gb. Ex tb IIIC T135°C IP66. |
| | Tamb=-40°C~+60°C | Ex d IIC T5 Gb. Ex tb IIIC T100°C IP66. |
| | Tamb=-40°C~+55°C | Ex d IIC T6 Gb. Ex tb IIIC T85°C IP66. |

Routine test

A routine pressure test according to EN 60079-1 clause 16 shall be carried out on all enclosures with the following pressures

BSL 125 1.2MPa

BSL150 1.2Mpa



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

Updated the marking plate to include word 'Excite' under Type.