

[1] EC-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC

[3] EC-Type Examination Certificate Number: Nemko 14 ATEX 1011X Issue 0

[4] Equipment or Protective System: Beacon Light – BC 125/150

[5] Applicant/ Manufacturer: Moflashing Signalling Ltd

[6] Address: Unit 18 Klaxon Industrial Estate, Tyseley
Birmingham B11 2HA,
United Kingdom.

[7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. D0001084

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012 (IEC 60079-0:2011) , EN 60079-1:2007 (IEC 60079-1:2007) and
EN 60079-31:2009 (IEC 60079-31:2008)

[10] If the sign “X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC.
Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:



II 2GD

Ex d IIC T4~T6 Gb.

Ex tb IIIC T135°C~T85°C IP66

Oslo, 2014-02-12

Asle Kaastad
Certification Manager, Ex-products

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[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No. Nemko 14 ATEX 1011X **Issue 0**

[15] Description of Equipment or Protective System

This certificate covers Beacon light of with enclosures made of two different materials. BC-125 is stainless steel and BC-150 is GRP. The product 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 enclosures it's installed different PCB, terminals and light sources.

Type Designation

BC Series – 125/ 150.

Electrical Ratings

Voltage ≤48 VDC, 100~240VAC (50/60Hz), ≤25W

| Product | Ambient temperature | Marking |
|--------------|---------------------|---|
| BC 125 / 150 | 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 |

[16] Report No. D0001084

Descriptive Documents

| Name/Title | Drawing No. | Rev. | Date | Sheets |
|--|--------------|------|----------|--------|
| General Drawing BC 125 | 55060100000 | 1.01 | 13.03.05 | 1 |
| Dispense Drawing BC 125 | 55060100001 | 1.01 | 13.03.05 | 1 |
| Part List BC 125 | 55060100002 | 1.01 | 13.03.05 | 1 |
| Top Cover BC 125 | 55060110102 | 1.01 | 13.03.05 | 1 |
| Main box BC 125 | 55060110101 | 1.01 | 13.03.05 | 1 |
| Glass cover | 55060170107 | 1.01 | 13.03.05 | 1 |
| General Drawing BC 150 | 55060200000 | 1.01 | 13.03.05 | 1 |
| Dispense Drawing BC 150 | 55060200001 | 1.01 | 13.03.05 | 1 |
| Part List BC 150 | 55060200002 | 1.01 | 13.03.05 | 1 |
| Top Cover BC 150 | 55060250102 | 1.01 | 13.03.05 | 1 |
| Main box BC 150 | 55060250101 | 1.01 | 13.03.05 | 1 |
| Alternative lid screw for 150 serious | 55060250401 | 1.01 | 13.08.25 | 1 |
| Alternative lid screw for 150 serious | 55060250402 | 1.01 | 13.08.25 | 1 |
| Name plate Alarm Beacon & Status Light Ex d | M55060010501 | 1 | 14.01.08 | 1 |

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Certificate History and Associated Nemko Reports

| Issue | Date | Report | Description |
|-------|------------|----------|----------------------------|
| 0 | 2014-02-12 | D0001084 | Prime Certificate released |

Routine Test

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

BC 125- 1.2MPa

BC 150- 1.2MPa

[17] Specific Condition for Use

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.

[18] Essential Health and Safety Requirements

Not applicable

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