



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx BAS 10.0087X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 3 [Issue 2 \(2014-03-24\)](#)  
Date of Issue: 2016-09-29 [Issue 1 \(2013-03-04\)](#)  
[Issue 0 \(2010-11-17\)](#)  
Applicant: **Eaton MEDC Limited**  
Unit B, Sutton Parkway  
Oddicroft Lane  
Sutton-in-Ashfield  
NG17 5FB  
**United Kingdom**  
Equipment: **A Type XB10E Beacon**  
Optional accessory:  
Type of Protection: **Flameproof and Increased Safety**  
Marking: **Ex de IIB T4 (Tamb -50°C to + \*\*°C) Gb**  
**\* See schedule**

Approved for issue on behalf of the IECEx  
Certification Body:

**R S Sinclair**

Position:

**Technical 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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**SGS Baseefa Limited**  
**Rockhead Business Park**  
**Staden Lane**  
**Buxton, Derbyshire, SK17 9RZ**  
**United Kingdom**





# IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 10.0087X**

Page 2 of 4

Date of issue: 2016-09-29

Issue No: 3

Manufacturer: **Eaton MEDC Limited**  
Unit B, Sutton Parkway  
Oddicroft Lane  
Sutton-in-Ashfield  
NG17 5FB  
**United Kingdom**

Additional  
manufacturing  
locations:

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 equipment 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 60079-0:2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:5

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

**IEC 60079-7:2006-07** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:4

This Certificate **does not** indicate compliance with 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 Reports:

[GB/BAS/ExTR09.0256/00](#)

[GB/BAS/ExTR14.0010/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0023/07](#)



# IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 10.0087X**

Page 3 of 4

Date of issue: 2016-09-29

Issue No: 3

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB10E Xenon Beacon comprises a cylindrical enclosure base and cover manufactured from glass reinforced polyester. The threaded cover is fitted with a wellglass which is provided with a wire guard.

The base is provided with an increased safety terminal enclosure attached. The terminal enclosure is provided with two threaded cable entries and a mounting bracket and houses a 6 way terminal block to IECEx SIR 05.0035U. A threaded line bushing to IECEx PTB 06.0039U is provided between the flameproof and increased safety enclosures.

The enclosure houses a printed circuit board to which is attached a 10J or a 15J xenon tube, various electronic circuits to suit the lamp and supply voltage and supply cable terminals.

The beacons are rated up to 48V d.c., 254V a.c., 30/45W.

The temperature classification and ambient temperature range are indicated below.

Model	Lamp Energy	Temperature Classification and Ambient Temperature Range
XB10E	10J	T4 (Tamb -50 °C to + 65 °C )
	15J	T4 (Tamb -50 °C to + 50 °C )

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component).

## SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Not more than one single or multiple strand lead shall be connected into either side of any terminal, unless multiple connectors have been joined in a suitable manner, e.g. two conductors into a single insulated crimped boot lace ferrule.
2. Leads connected to the terminal shall be insulated for the appropriate voltage and this insulation shall extend to within 1mm of the metal of the terminal throat.
3. All terminal screws, used and unused, shall be fully tightened down.
4. Minimum creepage and clearance distances between the terminals and adjacent conductive parts (including cable entry devices) must be at least 5mm.
5. Painting and surface finishes, other than those applied by the manufacturer, are not permitted



# IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 10.0087X**

Page 4 of 4

Date of issue: 2016-09-29

Issue No: 3

## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)** **Variation 3.1**

This issue permits existing information (for example on Schedule Drawings) to be replaced by the revised certificate holders name. No other changes may be made to the certified design

File Reference: **16/0725**