



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

Certificate No.: **IECEX BAS 05.0048X**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 16

Issue 15 (2025-01-09)

Issue 14 (2024-10-28)

Issue 13 (2023-08-14)

Issue 12 (2020-11-09)

Issue 11 (2018-10-17)

Issue 10 (2017-05-30)

Issue 9 (2017-02-03)

Issue 8 (2016-09-29)

Issue 7 (2015-10-19)

Issue 6 (2015-07-08)

Date of Issue: 2025-10-14

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

Equipment: **A Type XB15 Xenon Beacon**

Optional accessory:

Type of Protection: **Flameproof and Dust Protection by Enclosure**

Marking: **For FB15:**
Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Annex

For XB15:
Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Annex

For LD15:
Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Annex

For LB15:
Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Annex

Approved for issue on behalf of the IECEx
Certification Body:

M Powney

Position:

Engineering Manager

Signature:
(for printed version)

Date:
(for printed version)

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 or use of this QR Code.



Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 2 of 4

Date of issue: 2025-10-14

Issue No: 16

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

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

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

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/ExTR13.0259/00](#)
[GB/BAS/ExTR15.0248/00](#)
[GB/BAS/ExTR20.0011/00](#)
[GB/SGS/ExTR24.0132/01](#)

[GB/BAS/ExTR15.0187/00](#)
[GB/BAS/ExTR16.0155/00](#)
[GB/BAS/ExTR22.0212/00](#)
[GB/SGS/ExTR25.0052/00](#)

[GB/BAS/ExTR15.0192/00](#)
[GB/BAS/ExTR17.0135/00](#)
[GB/SGS/ExTR24.0132/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0023/13](#)

IECEX ATR:

File reference:



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 3 of 4

Date of issue: 2025-10-14

Issue No: 16

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. Alternatively, the beacon enclosure may comprise a metallic enclosure and cover arrangement, manufactured in stainless steel (grade 316, 316L or 317L) or aluminium alloy (grade LM6 or LM25TF). In this configuration, the model type is suffixed with an 'M'.

A clear or coloured polycarbonate lens cover may be fitted over the wellglass, secured into the cover by means of M4 threaded fasteners. The lens cover is not permitted on the Type FB15 filament lamp or XB15R variations. In addition, the cover assembly may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections. The enclosures may also incorporate a single entry in the centre of the base. When the single base entry is used on the Glass Reinforced Polyester enclosures, the remaining cable entry points are left undrilled.

The XB15 Xenon Beacon may be rated at 24V d.c. 48V d.c. and up to 240V a.c. With a maximum power dissipation of 45 Watts. The XB15 may be marked with the alternative type designation SB9.

An alternative XB15 rated at 230/240V a.c. having a 15J 'U' shaped Xenon tube, Version 2 P.C.B. and 60, 80 or 120 flash rate, is fitted with a 12K Ω , 10W minimum end of line resistor. In this configuration it will be given the type designation XB15R.

The XB15 Xenon Beacon may also be used with alternative interior components which are designated the FB15, LD15 and LB15, and are further described below:

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W. The filament lamp may be replaced by a type A60 LED bulb with a maximum dissipation of 13.5W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W. In addition, the LD15 LED may be manufactured with A.C. Electronics with a rated voltage up to 254V a.c. The Type LD15 Beacon is considered out of the scope of IEC 60079-28 and its EN equivalent.

The Type LB15 LED Beacon incorporating a bulb holder and Type A60 LED bulb alternative to a filament lamp may be rated from 12Vdc to 254Vac with a maximum power dissipation of 13.5W.

For all variants listed above the enclosures may be fitted with a terminal block with up to 12 ways and rated up to 25A. The XB15 and LD15 DC units may optionally be fitted with monitoring resistors, see Specific Conditions of Use. The terminal block of the XB15 variants may optionally be substituted by a telephone / relay initiate electronics module dissipating a maximum of 2.5W.

For marking please see Annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted.
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.
3. Monitoring resistors must be securely fitted to the terminal block and formed to keep the body in free air away from field wiring and the enclosure body. Maximum total power dissipation will be limited to 2W. Components must have a rated power at least three times higher than the power they will dissipate.



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 4 of 4

Date of issue: 2025-10-14

Issue No: 16

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 16.1

To permit the introduction of a new high-power variant of the XB15 xenon beacon with a xenon tube energy rating of 21J, and the option to fit a dual xenon tube arrangement to the XB15 xenon beacon.

Variation 16.2

To introduce an optional DC or AC relay / telephone initiate module to be fitted in place of the conventional terminal block.

Variation 16.3

To introduce a new 'pole entry' enclosure for the GRP enclosure option.

Variation 16.4

To assess the equipment against the requirements of IEC 60079-31: 2022 Edition 3.

ExTR: **GB/SGS/ExTR25.0052/00**

File Reference: **25/0163**

Annex:

[IECEX BAS 05.0048X Annex.pdf](#)

The marking of the product shall include the following:

For FB15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to +°C) IP6X *See Table below
 For XB15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to +°C) IP6X *See Table below
 For LD15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to +°C) IP6X *See Table below
 For LB15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to +°C) IP6X *See Table below

Beacon Type and variation	Lamp Rating Power/Energy	*Temperature Class	
XB15 Fitted with Version 1 or 2 electronics; (Version 1 electronics available as 15 Joules only) D.C. units optionally fitted with EOL resistor, dissipating a maximum of 2W. A.C. & D.C. units optionally fitted with Telephone / relay initiate module dissipating a maximum of 2.5W. A.C. & D.C. optionally fitted with dual xenon tubes.	21 Joules	T4/T135°C (T _{amb} -55°C to +60°C) T3/T200°C (T _{amb} -55°C to +85°C)	
	15 Joules	T4/T135°C (T _{amb} -55°C to +65°C) T4/T135°C (T _{amb} -55°C to +70°C) DC Only	
		T3/T200°C (T _{amb} -55°C to +85°C)	
	10 Joules	T5/T100°C (T _{amb} -55°C to +40°C) T5/T100°C (T _{amb} -55°C to +45°C) DC Only	
		T4/T135°C (T _{amb} -55°C to +75°C) T4/T135°C (T _{amb} -55°C to +80°C) DC Only	
		T3/T200°C (T _{amb} -55°C to +85°C)	
		T6/T85°C (T _{amb} -55°C to +40°C) T6/T85°C (T _{amb} -55°C to +50°C) DC Only	
	5 Joules	T5/T100°C (T _{amb} -55°C to +55°C) AC Only T5/T100°C (T _{amb} -55°C to +65°C) DC Only	
		T4/T135°C (T _{amb} -55°C to +85°C)	
	XB15R 240V a.c. only, fitted with end of line resistor of value 12KΩ 10W minimum, and version 2 electronics.	15 Joules	T5/T100°C (T _{amb} -55°C to +40°C) T4/T135°C (T _{amb} -55°C to +55°C) T4/T135°C (T _{amb} -55°C to +70°C)
FB15	60W	T4/T135°C (T _{amb} -55°C to +55°C) T3/T200°C (T _{amb} -55°C to +70°C)	
	100W	T3/T200°C (T _{amb} -55°C to +40°C)	
LB15	Type A60 LED bulb, 13.5W max.	T6/T85°C (T _{amb} -55°C to +40°C) T5/T100°C (T _{amb} -55°C to +55°C) T4/T135°C (T _{amb} -55°C to +85°C)	
LD15 Voltage Type a.c & d.c. D.C. units optionally fitted with EOL resistor, dissipating a maximum of 2W.	13.5W	T6/T85°C (T _{amb} -55°C to +55°C) T5/T100°C (T _{amb} -55°C to +70°C) T4/T135°C (T _{amb} -55°C to +85°C)	



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

Certificate No.: **IECEX BAS 05.0048X**

Page 1 of 5

Certificate history:

Status: **Current**

Issue No: 15

Issue 14 (2024-10-28)

Issue 13 (2023-08-14)

Issue 12 (2020-11-09)

Issue 11 (2018-10-17)

Issue 10 (2017-05-30)

Issue 9 (2017-02-03)

Issue 8 (2016-09-29)

Issue 7 (2015-10-19)

Issue 6 (2015-07-08)

Issue 5 (2013-11-01)

Date of Issue: 2025-01-09

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

Equipment: **A Type XB15 Xenon Beacon**

Optional accessory:

Type of Protection: **Flameproof and Dust Protection by Enclosure**

Marking: **For FB15:**

Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Schedule

For XB15:

Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Schedule

For LD15:

Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Schedule

For LB15:

Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Schedule

Approved for issue on behalf of the IECEx
Certification Body:

M Powney

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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 or use of this QR Code.



Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 2 of 5

Date of issue: 2025-01-09

Issue No: 15

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

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

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ExTR13.0259/00](#)
[GB/BAS/ExTR15.0248/00](#)
[GB/BAS/ExTR20.0011/00](#)
[GB/SGS/ExTR24.0132/01](#)

[GB/BAS/ExTR15.0187/00](#)
[GB/BAS/ExTR16.0155/00](#)
[GB/BAS/ExTR22.0212/00](#)

[GB/BAS/ExTR15.0192/00](#)
[GB/BAS/ExTR17.0135/00](#)
[GB/SGS/ExTR24.0132/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0023/12](#)

IECEX ATR:

File reference:



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 3 of 5

Date of issue: 2025-01-09

Issue No: 15

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. Alternatively, the beacon enclosure may comprise a metallic enclosure and cover arrangement, manufactured in stainless steel (grade 316, 316L or 317L) or aluminium alloy (grade LM6 or LM25TF). In this configuration, the model type is suffixed with an 'M'.

A clear or coloured polycarbonate lens cover may be fitted over the wellglass, secured into the cover by means of M4 threaded fasteners. The lens cover is not permitted on the Type FB15 filament lamp or XB15R variations. In addition, the cover assembly may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections. The metallic enclosures may also incorporate a single entry in the centre of the base.

The XB15 Xenon Beacon may be rated at 24V d.c. 48V d.c. and up to 254V a.c. With a maximum power dissipation of 30 Watts. The XB15 may be marked with the alternative type designation SB9.

An alternative XB15 rated at 230/240V a.c. having a 15J 'U' shaped Xenon tube, Version 2 P.C.B. and 60, 80 or 120 flash rate, is fitted with a 12K Ω , 10W minimum end of line resistor. In this configuration it will be given the type designation XB15R.

The XB15 Xenon Beacon may also be used with alternative interior components which are designated the FB15, LD15 and LB15, and are further described below:

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W. The filament lamp may be replaced by a type A60 LED bulb with a maximum dissipation of 13.5W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W. In addition, the LD15 LED may be manufactured with A.C. Electronics with a rated voltage up to 254V a.c. The Type LD15 Beacon is considered out of the scope of IEC 60079-28 and its EN equivalent.

The Type LB15 LED Beacon incorporating a bulb holder and Type A60 LED bulb alternative to a filament lamp may be rated from 12Vdc to 254Vac with a maximum power dissipation of 13.5W.

Continued on Page 4.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted.
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.
3. Monitoring resistors must be securely fitted to the terminal block and formed to keep the body in free air away from field wiring and the enclosure body. Maximum total power dissipation will be limited to 2W. Components must have a rated power at least three times higher than the power they will dissipate.



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 4 of 5

Date of issue: 2025-01-09

Issue No: 15

Equipment (continued):

For all variants listed above the enclosures may be fitted with a terminal block with up to 12 ways and rated up to 25A. The XB15 and LD15 DC units may optionally be fitted with monitoring resistors, see Specific Conditions of Use.

The marking of the product shall include the following:

For FB15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to *°C) IP6X *See Table below

For XB15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to *°C) IP6X *See Table below

For LD15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to *°C) IP6X *See Table below

For LB15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to *°C) IP6X *See Table below

Beacon Type and variation	Lamp Rating Power/ Energy	*Temperature Class	
XB15 Fitted with Version 1 or 2 electronics; (Version 1 electronics available as 15 Joules only) D.C. units optionally fitted with EOL resistor, dissipating a maximum of 2W.	15 Joules	T4/T135°C (T _{amb} -55°C to +70°C)	
		T3/T200°C (T _{amb} -55°C to +85°C)	
	10 Joules	T5/T100°C (T _{amb} -55°C to +45°C)	
		T4/T135°C (T _{amb} -55°C to +80°C)	
		T3/T200°C (T _{amb} -55°C to +85°C)	
	5 Joules	T6/T85°C (T _{amb} -55°C to +40°C)	
		T6/T85°C (T _{amb} -55°C to +55°C) DC Only	
		T5/T100°C (T _{amb} -55°C to +55°C) AC Only	
		T5/T100°C (T _{amb} -55°C to +70°C) DC Only	
	XB15R 240V a.c. only, fitted with end of line resistor of value 12KW 10W minimum, and version 2 electronics.	15 Joules	T5/T100°C (T _{amb} -55°C to +40°C)
			T4/T135°C (T _{amb} -55°C to +55°C)
			T4/T135°C (T _{amb} -55°C to +70°C)
FB15	60W	T4/T135°C (T _{amb} -55°C to +55°C)	
		T3/T200°C (T _{amb} -55°C to +70°C)	
LB15	Type A60 LED bulb, 13.5W max.	T6/T85°C (T _{amb} -55°C to +40°C)	
		T5/T100°C (T _{amb} -55°C to +55°C)	
		T4/T135°C (T _{amb} -55°C to +85°C)	
LD15 Voltage Type a.c & d.c. D.C. units optionally fitted with EOL resistor, dissipating a maximum of 2W.	13.5W	T6/T85°C (T _{amb} -55°C to +55°C)	
		T5/T100°C (T _{amb} -55°C to +70°C)	
		T4/T135°C (T _{amb} -55°C to +85°C)	



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 5 of 5

Date of issue: 2025-01-09

Issue No: 15

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Variation 15.1

To make minor revisions in the manuals and update the report GB/SGS/ExTR24.0132/00 to reference the revised version of the manuals in Section 4.7

ExTR: **GB/SGS/ExTR24.0132/01**

File Reference: **24/0566**



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

Certificate No.: **IECEX BAS 05.0048X**

Page 1 of 5

Certificate history:

Status: **Current**

Issue No: 14

[Issue 13 \(2023-08-14\)](#)

[Issue 12 \(2020-11-09\)](#)

[Issue 11 \(2018-10-17\)](#)

[Issue 10 \(2017-05-30\)](#)

[Issue 9 \(2017-02-03\)](#)

[Issue 8 \(2016-09-29\)](#)

[Issue 7 \(2015-10-19\)](#)

[Issue 6 \(2015-07-08\)](#)

[Issue 5 \(2013-11-01\)](#)

[Issue 4 \(2013-08-14\)](#)

Date of Issue: 2024-10-28

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

Equipment: **A Type XB15 Xenon Beacon**

Optional accessory:

Type of Protection: **Flameproof and Dust Protection by Enclosure**

Marking: **For FB15:**

Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Schedule

For XB15:

Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Schedule

For LD15:

Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Schedule

For LB15:

Ex db IIC T*Gb; Ex tb IIIC T* Db (Tamb -55°C to *°C) IP6X *See Schedule

Approved for issue on behalf of the IECEx
Certification Body:

M Powney

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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 or use of this QR Code.



Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 2 of 5

Date of issue: 2024-10-28

Issue No: 14

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

Manufacturing locations: **Eaton MEDC Limited**
Unit B, Sutton Parkway
Oddcroft Lane
Sutton-in-Ashfield
NG17 5FB
United Kingdom

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ExTR13.0259/00](#)
[GB/BAS/ExTR15.0248/00](#)
[GB/BAS/ExTR20.0011/00](#)

[GB/BAS/ExTR15.0187/00](#)
[GB/BAS/ExTR16.0155/00](#)
[GB/BAS/ExTR22.0212/00](#)

[GB/BAS/ExTR15.0192/00](#)
[GB/BAS/ExTR17.0135/00](#)
[GB/SGS/ExTR24.0132/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0023/12](#)

IECEX ATR:

File reference:



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 3 of 5

Date of issue: 2024-10-28

Issue No: 14

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. Alternatively, the beacon enclosure may comprise a metallic enclosure and cover arrangement, manufactured in stainless steel (grade 316, 316L or 317L) or aluminium alloy (grade LM6 or LM25TF). In this configuration, the model type is suffixed with an 'M'.

A clear or coloured polycarbonate lens cover may be fitted over the wellglass, secured into the cover by means of M4 threaded fasteners. The lens cover is not permitted on the Type FB15 filament lamp or XB15R variations. In addition, the cover assembly may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections. The metallic enclosures may also incorporate a single entry in the centre of the base.

The XB15 Xenon Beacon may be rated at 24V d.c. 48V d.c. and up to 254V a.c. With a maximum power dissipation of 30 Watts. The XB15 may be marked with the alternative type designation SB9.

An alternative XB15 rated at 230/240V a.c. having a 15J 'U' shaped Xenon tube, Version 2 P.C.B. and 60, 80 or 120 flash rate, is fitted with a 12K Ω , 10W minimum end of line resistor. In this configuration it will be given the type designation XB15R.

The XB15 Xenon Beacon may also be used with alternative interior components which are designated the FB15, LD15 and LB15, and are further described below:

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W. The filament lamp may be replaced by a type A60 LED bulb with a maximum dissipation of 13.5W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W. In addition, the LD15 LED may be manufactured with A.C. Electronics with a rated voltage up to 254V a.c. The Type LD15 Beacon is considered out of the scope of IEC 60079-28 and its EN equivalent.

The Type LB15 LED Beacon incorporating a bulb holder and Type A60 LED bulb alternative to a filament lamp may be rated from 12Vdc to 254Vac with a maximum power dissipation of 13.5W.

Continued on Page 4.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted.
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.
3. Monitoring resistors must be securely fitted to the terminal block and formed to keep the body in free air away from field wiring and the enclosure body. Maximum total power dissipation will be limited to 2W. Components must have a rated power at least three times higher than the power they will dissipate.



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 4 of 5

Date of issue: 2024-10-28

Issue No: 14

Equipment (continued):

For all variants listed above the enclosures may be fitted with a terminal block with up to 12 ways and rated up to 25A. The XB15 and LD15 DC units may optionally be fitted with monitoring resistors, see Specific Conditions of Use.

The marking of the product shall include the following:

For FB15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to *°C) IP6X *See Table below

For XB15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to *°C) IP6X *See Table below

For LD15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to *°C) IP6X *See Table below

For LB15: Ex db IIC T*Gb Ex tb IIIC T* Db (T_{amb} -55°C to *°C) IP6X *See Table below

Beacon Type and variation	Lamp Rating Power/ Energy	*Temperature Class	
XB15 Fitted with Version 1 or 2 electronics; (Version 1 electronics available as 15 Joules only) D.C. units optionally fitted with EOL resistor, dissipating a maximum of 2W.	15 Joules	T4/T135°C (T _{amb} -55°C to +70°C)	
		T3/T200°C (T _{amb} -55°C to +85°C)	
	10 Joules	T5/T100°C (T _{amb} -55°C to +45°C)	
		T4/T135°C (T _{amb} -55°C to +80°C)	
		T3/T200°C (T _{amb} -55°C to +85°C)	
	5 Joules	T6/T85°C (T _{amb} -55°C to +40°C)	
		T6/T85°C (T _{amb} -55°C to +55°C) DC Only	
		T5/T100°C (T _{amb} -55°C to +55°C) AC Only	
		T5/T100°C (T _{amb} -55°C to +70°C) DC Only	
	XB15R 240V a.c. only, fitted with end of line resistor of value 12KW 10W minimum, and version 2 electronics.	15 Joules	T5/T100°C (T _{amb} -55°C to +40°C)
			T4/T135°C (T _{amb} -55°C to +55°C)
			T4/T135°C (T _{amb} -55°C to +70°C)
FB15	60W	T4/T135°C (T _{amb} -55°C to +55°C)	
		T3/T200°C (T _{amb} -55°C to +70°C)	
LB15	Type A60 LED bulb, 13.5W max.	T6/T85°C (T _{amb} -55°C to +40°C)	
		T5/T100°C (T _{amb} -55°C to +55°C)	
		T4/T135°C (T _{amb} -55°C to +85°C)	
LD15 Voltage Type a.c & d.c. D.C. units optionally fitted with EOL resistor, dissipating a maximum of 2W.	13.5W	T6/T85°C (T _{amb} -55°C to +55°C)	
		T5/T100°C (T _{amb} -55°C to +70°C)	
		T4/T135°C (T _{amb} -55°C to +85°C)	



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 5 of 5

Date of issue: 2024-10-28

Issue No: 14

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 14.1

To permit the cover and base of the enclosure to alternatively be manufactured in Stainless Steel or Aluminium.

Variation 14.2

To introduce a non-metallic lens cover that requires a modification of the cover design.

Variation 14.3

To introduce a new model designation 'LB15' incorporating an LED bulb as an alternative to the traditional filament bulb fitted to the FB15 variant, and to permit the fitting of the LED bulb into existing FB15 units.

Variation 14.4

To revise the temperature class and maximum ambient temperature permutations based on thermal rise testing with the metallic enclosure and non-metallic lens cover.

Variation 14.5

Minor drawing changes not affecting the protection concept.

Variation 14.6

Revision of the applicable standards to remove IEC 60079-28 and op is marking.

ExTR: **GB/SGS/ExTR24.0132/00**

File Reference: **23/0427 & 23/0435**



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

Certificate No.: **IECEX BAS 05.0048X**

Page 1 of 6

Certificate history:

Status: **Current**

Issue No: 13

Issue 12 (2020-11-09)

Issue 11 (2018-10-17)

Issue 10 (2017-05-30)

Issue 9 (2017-02-03)

Issue 8 (2016-09-29)

Issue 7 (2015-10-19)

Issue 6 (2015-07-08)

Issue 5 (2013-11-01)

Issue 4 (2013-08-14)

Issue 3 (2013-02-28)

Date of Issue: 2023-08-14

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

Equipment: **A Type XB15 Xenon Beacon**

Optional accessory:

Type of Protection: **Flameproof, Optical Radiation, Dust Protection by Enclosure**

Marking: **For FB15:**
Ex db IIC T* Gb ; Ex tb IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule
For XB15:
Ex db op is IIC T* Gb ; Ex tb op is IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule
For LD15:
Ex db op is IIC T* Gb ; Ex tb op is IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

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 or use of this QR Code.



Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 2 of 6

Date of issue: 2023-08-14

Issue No: 13

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

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

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ExTR13.0259/00](#)
[GB/BAS/ExTR15.0248/00](#)
[GB/BAS/ExTR20.0011/00](#)

[GB/BAS/ExTR15.0187/00](#)
[GB/BAS/ExTR16.0155/00](#)
[GB/BAS/ExTR22.0212/00](#)

[GB/BAS/ExTR15.0192/00](#)
[GB/BAS/ExTR17.0135/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0023/11](#)

IECEX ATR:

File reference:



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 3 of 6

Date of issue: 2023-08-14

Issue No: 13

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The XB15 Xenon Beacon may be rated at 24V d.c. 48V d.c. and up to 254V a.c. With a maximum power dissipation of 30 Watts. The XB15 fitted with a helical or 'U' shaped tube may have the alternative type designation SB9.

An alternative XB15 rated at 230/240V a.c. having a 15J 'U' shaped Xenon tube, Version 2 P.C.B. and 60, 80 or 120 flash rate, is fitted with a 12K Ω , 10W minimum end of line resistor. In this configuration it will be given the type designation XB15R.

The XB15 Xenon Beacon may also be used with alternative interior components which are designated the FB15 and LD15, and are further described below:

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W. The filament lamp may be replaced by a 5W LED bulb.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W. In addition the LD15 LED may be manufactured with A.C. Electronics with a rated voltage up to 254V a.c.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 4 of 6

Date of issue: 2023-08-14

Issue No: 13

Equipment (continued):

For all variants listed above the enclosures may be fitted with a terminal block with up to 12 ways and rated up to 25A

Beacon Type and variation	Lamp Rating Power/ Energy	*Temperature Class
XB15 Fitted with Version 1 or 2 electronics (Version 1 electronics available as 15 Joules only)	15 Joules	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	10 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T5/T100°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	5 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
XB15 Fitted with HN 2647 (G)(H) helical form Xenon tube	15 Joules	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	10 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T5/T100°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	5 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
XB15R 240V a.c. Fitted with end of line resistor of value 12KW 10W minimum. 'U' Shaped Xenon tube Version 2 Electronic P.C.B.	15 Joules, Flash rate 60	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	15 Joules, Flash rate 80	T5/T100°C (T _{amb} -55°C to +40°C)



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 5 of 6

Date of issue: 2023-08-14

Issue No: 13

		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	15 Joules, Flash rate 120	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
FB15	60W or 5W LED Bulb	T4/T135°C (T _{amb} -55°C to +55°C)
		T3/T200°C (T _{amb} -55°C to +70°C)
	100W	T3/T200°C (T _{amb} -55°C to +40°C)
LD15 Voltage Type d.c.	13.5W	T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
LD15 Voltage Type a.c.	110/254V	T6/T85°C (T _{amb} -55°C to +40°C)
		T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 6 of 6

Date of issue: 2023-08-14

Issue No: 13

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 13.1

Assessment against IEC 60079-0:2017 Ed 7

ExTR: **GB/BAS/ExTR22.0212/00**

File Reference: **22/0315**



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

Certificate No.: **IECEx BAS 05.0048X**

Page 1 of 6

Certificate history:

Status: **Current**

Issue No: 12

Issue 11 (2018-10-17)

Issue 10 (2017-05-30)

Issue 9 (2017-02-03)

Issue 8 (2016-09-29)

Issue 7 (2015-10-19)

Issue 6 (2015-07-08)

Issue 5 (2013-11-01)

Issue 4 (2013-08-14)

Issue 3 (2013-02-28)

Issue 2 (2009-10-08)

Date of Issue: 2020-11-09

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

Equipment: **A Type XB15 Xenon Beacon**

Optional accessory:

Type of Protection: **Flameproof, Optical Radiation, Dust Protection by Enclosure**

Marking: **For FB15:**
Ex db IIC T* Gb ; Ex tb IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule

For XB15:
Ex db op is IIC T* Gb ; Ex tb op is IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule

For LD15:
Ex db op is IIC T* Gb ; Ex tb op is IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

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 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 05.0048X**

Page 2 of 6

Date of issue: 2020-11-09

Issue No: 12

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

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ExTR13.0259/00](#)
[GB/BAS/ExTR15.0248/00](#)
[GB/BAS/ExTR20.0011/00](#)

[GB/BAS/ExTR15.0187/00](#)
[GB/BAS/ExTR16.0155/00](#)

[GB/BAS/ExTR15.0192/00](#)
[GB/BAS/ExTR17.0135/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0023/09](#)

IECEX ATR:

File reference:



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 6

Date of issue: 2020-11-09

Issue No: 12

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The XB15 Xenon Beacon may be rated at 24V d.c. 48V d.c. and up to 254V a.c. With a maximum power dissipation of 30 Watts. The XB15 fitted with a helical or 'U' shaped tube may have the alternative type designation SB9.

An alternative XB15 rated at 230/240V a.c. having a 15J 'U' shaped Xenon tube, Version 2 P.C.B. and 60, 80 or 120 flash rate, is fitted with a 12K Ω , 10W minimum end of line resistor. In this configuration it will be given the type designation XB15R.

The XB15 Xenon Beacon may also be used with alternative interior components which are designated the FB15 and LD15, and are further described below:

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W. The filament lamp may be replaced by a 5W LED bulb.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W. In addition the LD15 LED may be manufactured with A.C. Electronics with a rated voltage up to 254V a.c.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 6

Date of issue: 2020-11-09

Issue No: 12

Equipment (continued):

For all variants listed above the enclosures may be fitted with a terminal block with up to 12 ways and rated up to 25A

Beacon Type and variation	Lamp Rating Power/ Energy	*Temperature Class
XB15 Fitted with Version 1 or 2 electronics (Version 1 electronics available as 15 Joules only)	15 Joules	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	10 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T5/T100°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	5 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
XB15 Fitted with HN 2647 (G)(H) helical form Xenon tube	15 Joules	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	10 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T5/T100°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	5 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
XB15R 240V a.c. Fitted with end of line resistor of value 12KW 10W minimum. 'U' Shaped Xenon tube Version 2 Electronic P.C.B.	15 Joules, Flash rate 60	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	15 Joules, Flash rate 80	T5/T100°C (T _{amb} -55°C to +40°C)



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 5 of 6

Date of issue: 2020-11-09

Issue No: 12

		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	15 Joules, Flash rate 120	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
FB15	60W or 5W LED Bulb	T4/T135°C (T _{amb} -55°C to +55°C)
		T3/T200°C (T _{amb} -55°C to +70°C)
	100W	T3/T200°C (T _{amb} -55°C to +40°C)
LD15 Voltage Type d.c.	13.5W	T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
LD15 Voltage Type a.c.	110/254V	T6/T85°C (T _{amb} -55°C to +40°C)
		T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 6 of 6

Date of issue: 2020-11-09

Issue No: 12

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Variation 12.1

To permit a change to the electronic circuit by the addition of a synchronisation feature to the XB15 24V D.C Xenon Beacon.

ExTR: **GB/BAS/ExTR20.0011/00**

File Reference: **19/0569**



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

Certificate No.: **IECEx BAS 05.0048X**

Page 1 of 5

Certificate history:

Status: **Current**

Issue No: 11

Issue 10 (2017-05-30)
Issue 9 (2017-02-03)
Issue 8 (2016-09-29)
Issue 7 (2015-10-19)
Issue 6 (2015-07-08)
Issue 5 (2013-11-01)
Issue 4 (2013-08-14)
Issue 3 (2013-02-28)
Issue 2 (2009-10-08)
Issue 1 (2006-08-23)

Date of Issue: 2018-10-17

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

Equipment: **A Type XB15 Xenon Beacon**

Optional accessory:

Type of Protection: **Flameproof, Optical Radiation, Dust Protection by Enclosure**

Marking: **For FB15:**
Ex db IIC T* Gb ; Ex tb IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule
For XB15:
Ex db op is IIC T* Gb ; Ex tb op is IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule
For LD15:
Ex db op is IIC T* Gb ; Ex tb op is IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

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 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 05.0048X**

Page 2 of 5

Date of issue: 2018-10-17

Issue No: 11

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

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 Report:

Quality Assessment Report:

IECEx ATR:

GB/BAS/ExTR15.0192/00, GB/BAS/ExTR15.0248/00, GB/BAS/ExTR18.0260/00
GB/BAS/ExTR13.0259/00, GB/BAS/ExTR16.0155/00
GB/BAS/ExTR15.0187/00, GB/BAS/ExTR17.0135/00

File reference:

15/0188, 18/0637
13/0779, 16/0395
14/0448, 17/0302



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 5

Date of issue: 2018-10-17

Issue No: 11

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The XB15 Xenon Beacon may be rated at 24V d.c. 48V d.c. and up to 254V a.c. With a maximum power dissipation of 30 Watts. The XB15 fitted with a helical or 'U' shaped tube may have the alternative type designation SB9.

An alternative XB15 rated at 230/240V a.c. having a 15J 'U' shaped Xenon tube, Version 2 P.C.B. and 60, 80 or 120 flash rate, is fitted with a 12KΩ, 10W minimum end of line resistor. In this configuration it will be given the type designation XB15R.

The XB15 Xenon Beacon may also be used with alternative interior components which are designated the FB15 and LD15, and are further described below:

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W. The filament lamp may be replaced by a 5W LED bulb.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W. In addition the LD15 LED may be manufactured with A.C. Electronics with a rated voltage up to 254V a.c.

For all variants listed above the enclosures may be fitted with a terminal block with up to 12 ways and rated up to 25A

Beacon Type and variation	Lamp Rating Power/Energy	*Temperature Class
XB15 Fitted with Version 1 or 2 electronics (Version 1 electronics available as 15 Joules only)	15 Joules	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	10 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T5/T100°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	5 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
XB15 Fitted with HN 2647 (G)(H) helical form Xenon tube	15 Joules	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	10 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T5/T100°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	5 Joules	T6/T85°C (T _{amb} -55°C to +40°C)
		T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
XB15R 240V a.c.	15 Joules, Flash rate 60	T5/T100°C (T _{amb} -55°C to +40°C)



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 5

Date of issue: 2018-10-17

Issue No: 11

Fitted with end of line resistor of value 12KW 10W minimum. 'U' Shaped Xenon tube Version 2 Electronic P.C.B.	15 Joules, Flash rate 80	T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	15 Joules, Flash rate 120	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	FB15	60W or 5W LED Bulb
T3/T200°C (T _{amb} -55°C to +70°C)		
100W		T3/T200°C (T _{amb} -55°C to +40°C)
LD15 Voltage Type d.c.	13.5W	T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
LD15 Voltage Type a.c.	110/254V	T6/T85°C (T _{amb} -55°C to +40°C)
		T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 5 of 5

Date of issue: 2018-10-17

Issue No: 11

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) Variation 11.1

To clarify the General product information, Temperature class and ambient temperature range of the equipment

ExTR: **GB/BAS/ExTR18.0260/00**

File Reference: **18/0637**



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

Certificate No.: **IECEx BAS 05.0048X**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 10

Issue 9 (2017-02-03)

Issue 8 (2016-09-29)

Issue 7 (2015-10-19)

Issue 6 (2015-07-08)

Issue 5 (2013-11-01)

Issue 4 (2013-08-14)

Issue 3 (2013-02-28)

Issue 2 (2009-10-08)

Issue 1 (2006-08-23)

Date of Issue: 2017-05-30

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

Equipment: **A Type XB15 Xenon Beacon**

Optional accessory:

Type of Protection: **Flameproof, Optical Radiation, Dust Protection by Enclosure**

Marking: **For FB15:** Ex db IIC T* Gb ; Ex tb IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule

For XB15:
Ex db op is IIC T* Gb ; Ex tb op is IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule

For LD15:
Ex db op is IIC T* Gb ; Ex tb op is IIIC T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

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 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 05.0048X**

Page 2 of 4

Date of issue: 2017-05-30

Issue No: 10

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

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 Report:

Quality Assessment Report:

IECEX ATR:

GB/BAS/ExTR15.0192/00, GB/BAS/ExTR15.0248/00
GB/BAS/ExTR13.0259/00, GB/BAS/ExTR16.0155/00
GB/BAS/ExTR15.0187/00, GB/BAS/ExTR17.0135/00

File reference:

15/0188
13/0779, 16/0395
14/0448, 17/0302



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 4

Date of issue: 2017-05-30

Issue No: 10

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The same XB15 flameproof housing, as described above, may also be used with alternative interior components in the FB15 and LD15.

The XB15 Xenon Beacon may be rated at 24V d.c. 48V d.c. and up to 254V a.c. With a maximum power dissipation of 30 Watts.

To allow the XB15 rated at 230/240V a.c. and having a 15J 'U' shaped Xenon tube and Version 2 P.C.B. and 60, 80 or 120 flash rate to be fitted with an end of line resistor 12K Ω minimum 10W minimum resistor

In this configuration it will be given the type designation XB15R, see schedule

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W

For all variants listed above the enclosure may be fitted with a terminal block with up to 12 ways and rated up to 25A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 4

Date of issue: 2017-05-30

Issue No: 10

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 10.1

To allow the XB15 to be fitted with an end of line resistor. In this configuration it will be given the type designation XB15R and shall be marked:

XB15R

Ex db op is IIC T* Gb; Ex tb op is IIIC T*°C Db (Tamb -55°C to + *°C) IP6X *See Schedule

ExTR: **GB/BAS/ExTR17.0135/00**

File Reference: **17/0302**



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

Certificate No.:	IECEx BAS 05.0048X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 9	Issue 8 (2016-09-29)
Date of Issue:	2017-02-03		Issue 7 (2015-10-19)
Applicant:	Eaton MEDC Limited Unit B, Sutton Parkway, Oddicroft Lane, Sutton-in-Ashfield, NG17 5FB United Kingdom		Issue 6 (2015-07-08)
Equipment:	A Type XB15 Xenon Beacon		Issue 5 (2013-11-01)
Optional accessory:			Issue 4 (2013-08-14)
Type of Protection:	Flameproof, Optical Radiation, Dust Protection by Enclosure		Issue 3 (2013-02-28)
Marking:	For FB15: Ex db IIC T* Gb ; Ex tb III C T*°C Db (Tamb -55°C to + *°C) IP6X *See Schedule		Issue 2 (2009-10-08)
	For XB15: Ex db op is IIC T* Gb ; Ex tb op is III C T*°C Db (Tamb -55°C to + *°C) IP6X *See Schedule		Issue 1 (2006-08-23)
	For LD15: Ex db op is IIC T* Gb ; Ex tb op is III C T*°C Db (Tamb -55°C to + *°C) IP6X *See Schedule		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

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 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 05.0048X**

Page 2 of 4

Date of issue: 2017-02-03

Issue No: 9

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

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 Report:

Quality Assessment Report:

IECEx ATR:

GB/BAS/ExTR15.0192/00, GB/BAS/ExTR15.0248/00
GB/BAS/ExTR13.0259/00, GB/BAS/ExTR16.0155/00
GB/BAS/ExTR15.0187/00

File reference:

15/0188
13/0779, 16/0395
14/0448



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 4

Date of issue: 2017-02-03

Issue No: 9

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The same XB15 flameproof housing, as described above, may also be used with alternative interior components in the FB15 and LD15.

The XB15 Xenon Beacon may be rated at 24V d.c. 48V d.c. and up to 254V a.c. With a maximum power dissipation of 30 Watts.

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W

For all variants listed above the enclosure may be fitted with a terminal block with up to 12 ways and rated up to 25A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 4

Date of issue: 2017-02-03

Issue No: 9

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 9.1

To allow the optional use of an BHN 2647 (G)(H) helical form extended life Xenon tube, in the Type XB15 Xenon Beacon.

Beacon Type	Tube Energy	Temperature class / Ambient
XB15 Fitted with HN 2647 (G)(H) helical form Xenon tube	15 Joules	T4/T135°C (Tamb -55°C to +70°C) T4/T135°C (Tamb -55°C to +55°C)
	10 Joules	T5/T100°C (Tamb -55°C to +40°C) T4/T135°C (Tamb -55°C to +70°C) T5/T100°C (Tamb -55°C to +55°C)
	5 Joules	T6/T85°C (Tamb -55°C to +40°C) T5/T100°C (Tamb -55°C to +70°C) T6/T85°C (Tamb -55°C to +55°C) T6/T85°C (Tamb -55°C to +40°C)

Variation 9.2

To allow clarification of the operating voltages of the XB15 unit ExTR: GB/BAS/ExTR16.0155/00 File Reference: 16/0395



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

Certificate No.:	IECEx BAS 05.0048X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 8	Issue 7 (2015-10-19)
Date of Issue:	2016-09-29		Issue 6 (2015-07-08)
Applicant:	Eaton MEDC Limited Unit B, Sutton Parkway Oddicroft Lane Sutton-in-Ashfield NG17 5FB United Kingdom		Issue 5 (2013-11-01)
Equipment:	A Type XB15 Xenon Beacon		Issue 4 (2013-08-14)
Optional accessory:			Issue 3 (2013-02-28)
Type of Protection:	Flameproof, Optical Radiation, Dust Protection by Enclosure		Issue 2 (2009-10-08)
Marking:	For XB15 & FB15: Ex db IIC T* Gb Ex tb III C T*°C Db (T _{amb} -55°C to + °C) IP6X *See Schedule		Issue 1 (2006-08-23)
	For LD15: Ex db op is IIC T* Gb Ex tb op is III C T*°C Db (T _{amb} -55°C to + °C) IP6X *See Schedule		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

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 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 05.0048X**

Page 2 of 4

Date of issue: 2016-09-29

Issue No: 8

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

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 Report:

Quality Assessment Report:

IECEx ATR:
GB/BAS/ExTR15.0192/00, GB/BAS/ExTR15.0248/00
GB/BAS/ExTR13.0259/00
GB/BAS/ExTR15.0187/00

File reference:
15/0188
13/0779
14/0448



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 4

Date of issue: 2016-09-29

Issue No: 8

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The same XB15 flameproof housing, as described above, may also be used with alternative interior components in the FB15 and LD15.

The Type XB15 Xenon Beacon may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation of 30 watts.

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W

For all variants listed above the enclosure may be fitted with a terminal block with up to 12 ways and rated up to 25A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 4

Date of issue: 2016-09-29

Issue No: 8

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Variation 8.1

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**



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

Certificate No.:	IECEx BAS 05.0048X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 7	Issue 6 (2015-07-08)
Date of Issue:	2015-10-19		Issue 5 (2013-11-01)
Applicant:	Cooper MEDC Limited Unit B, Sutton Parkway Oddicroft Lane, Sutton-in-Ashfield, NG17 5FB United Kingdom		Issue 4 (2013-08-14)
Equipment:	A Type XB15 Xenon Beacon		Issue 3 (2013-02-28)
Optional accessory:			Issue 2 (2009-10-08)
Type of Protection:	Flameproof, Optical Radiation, Dust Protection by Enclosure		Issue 1 (2006-08-23)
Marking:	For XB15 & FB15: Ex db IIC T* Gb Ex tb III C T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule For LD15: Ex db op is IIC T* Gb Ex tb op is III C T*°C Db (Tamb -55°C to + °C) IP6X *See Schedule		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

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 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 05.0048X**

Page 2 of 4

Date of issue: 2015-10-19

Issue No: 7

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

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 Report:

Quality Assessment Report:

IECEX ATR:
GB/BAS/ExTR15.0192/00, GB/BAS/ExTR15.0248/00
GB/BAS/ExTR13.0259/00
GB/BAS/ExTR15.0187/00

File reference:
15/0188
13/0779
14/0448



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 4

Date of issue: 2015-10-19

Issue No: 7

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The same XB15 flameproof housing, as described above, may also be used with alternative interior components in the FB15 and LD15.

The Type XB15 Xenon Beacon may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation of 30 watts.

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W

For all variants listed above the enclosure may be fitted with a terminal block with up to 12 ways and rated up to 25A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 4

Date of issue: 2015-10-19

Issue No: 7

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 7.1

Introduction of Version (2) AC electronics together with 5, 10 and 15 Joules xenon tubes to the XB15 Xenon Beacon only.

Beacon Type	Tube Energy	Temperature class / Ambient
XB15	15 Joules	T4/T135°C (Tamb -55°C to +70°C)
		T4/T135°C (Tamb -55°C to +55°C)
		T5/T100°C (Tamb -55°C to +40°C)
	10 Joules	T4/T135°C (Tamb -55°C to +70°C)
		T5/T100°C (Tamb -55°C to +55°C)
		T6/T85°C (Tamb -55°C to +40°C)
	5 Joules	T5/T100°C (Tamb -55°C to +70°C)
		T6/T85°C (Tamb -55°C to +55°C)
		T6/T85°C (Tamb -55°C to +40°C)

Variation 7.2

Introduction of AC electronics to LD15 LED Beacon with rated voltage up to 254V.

Variation 7.3

To confirm that the type XB15 Xenon Beacon covered by this certificate have been reviewed and confirmed as being in compliance with the latest standards; IEC 60079-0:2011 Edition 6, IEC 60079-1:2014 Edition 7 and IEC 60079-31:2013 Edition 2.

Variation 7.4

Introduction of new separate marking for the Type LD15 beacon:

Ex db op is IIC T*Gb

Ex tb op is III C T* Db (T_{amb} -55°C to *°C) IP6X *See Schedule

ExTR: **GB/BAS/ExTR15.0192/00 and
GB/BAS/ExTR15.0248/00**

File Reference: **15/0188**



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

Certificate No.:	IECEx BAS 05.0048X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 6	Issue 5 (2013-11-01)
Date of Issue:	2015-07-08		Issue 4 (2013-08-14)
Applicant:	Cooper MEDC Limited Unit B, Sutton Parkway Oddicroft Lane, Sutton-in-Ashfield, NG17 5FB United Kingdom		Issue 3 (2013-02-28)
Equipment:	A Type XB15 Xenon Beacon		Issue 2 (2009-10-08)
Optional accessory:			Issue 1 (2006-08-23)
Type of Protection:	Flameproof, Dust Protection by Enclosure		
Marking:	Ex d IIC T* Gb Ex tb III C T**C Db (T_{amb} -55°C to + °C) IP6X *See schedule		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

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 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 05.0048X**

Page 2 of 4

Date of issue: 2015-07-08

Issue No: 6

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

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2007](#) 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 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:

Quality Assessment Report:

IECEx ATR:

GB/BAS/ExTR13.0174/00
GB/BAS/ExTR13.0259/00
GB/BAS/ExTR15.0187/00

File reference:

13/0569
13/0779
14/0448



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 4

Date of issue: 2015-07-08

Issue No: 6

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The same XB15 flameproof housing, as described above, may also be used with alternative interior components in the FB15 and LD15.

The Type XB15 Xenon Beacon may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation of 30 watts.

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W

For all variants listed above the enclosure may be fitted with a terminal block with up to 12 ways and rated up to 25A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 4

Date of issue: 2015-07-08

Issue No: 6

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Variation 6.1

Clarification of Temperature Classification and ambient operating temperature and marking for the beacon types as detailed in the table below.

Beacon Type	Lamp Rating Power/Energy	*Temperature Class
XB15	30W / 15 Joules	T5/T100°C (T _{amb} -55°C to +40°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	30W / 10 Joules*	T6/T85°C (T _{amb} -55°C to +40°C)
		T5/T100°C (T _{amb} -55°C to +55°C)
		T4/T135°C (T _{amb} -55°C to +70°C)
	30W / 5 Joules*	T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)
		T4/T135°C (T _{amb} -55°C to +55°C)
FB15	60W or 5W LED Bulb	T4/T135°C (T _{amb} -55°C to +55°C)
		T3/T200°C (T _{amb} -55°C to +70°C)
	100W	T3/T200°C (T _{amb} -55°C to +40°C)
LD15	13.5W	T6/T85°C (T _{amb} -55°C to +55°C)
		T5/T100°C (T _{amb} -55°C to +70°C)

*Note: the 30W/10 Joule and 30W/5 Joule XB15 rating are available in DC version only.



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

Certificate No.:	IECEx BAS 05.0048X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2013-08-14)
Date of Issue:	2013-11-01		Issue 3 (2013-02-28)
Applicant:	Cooper MEDC Limited Unit B, Sutton Parkway Oddicroft Lane Sutton-in-Ashfield NG17 5FB United Kingdom		Issue 2 (2009-10-08)
Equipment:	A Type XB15 Xenon Beacon		Issue 1 (2006-08-23)
Optional accessory:			
Type of Protection:	Flameproof, Dust Protection by Enclosure		
Marking:	Ex d IIC T* Gb Ex tb III C T*°C Db (Tamb. -55°C to + °C) * See schedule (Variation 3.7)		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

General Manager

Signature:
(for printed version)

Date:
(for printed version)

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 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 05.0048X**

Page 2 of 4

Date of issue: 2013-11-01

Issue No: 5

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

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2007](#) 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 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:

Quality Assessment Report:

IECEX ATR:

GB/BAS/ExTR13.0174/00
GB/BAS/ExTR13.0259/00
GB/BAS/ExTR13.0026/00

File reference:

13/0569
13/0779
11/1000



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 4

Date of issue: 2013-11-01

Issue No: 5

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The same XB15 flameproof housing, as described above, may also be used with alternative interior components in the FB15 and LD15.

The Type XB15 Xenon Beacon may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation of 30 watts.

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W

For all variants listed above the enclosure may be fitted with a terminal block with up to 12 ways and rated up to 25A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 4

Date of issue: 2013-11-01

Issue No: 5

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 5.1

The manufacturer requests supplementary certification to note changes to drawings controlled under certificates Baseefa04ATEX0009X and IECEx BAS 05.0048X. These changes are related to drawing names and other minor dimensional changes that do not affect certification.

ExTR: **GB/BAS/ExTR13.0259/00**

File Reference: **13/0779**



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

Certificate No.:	IECEx BAS 05.0048X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 4	Issue 3 (2013-02-28)
Date of Issue:	2013-08-14		Issue 2 (2009-10-08)
Applicant:	Cooper MEDC Limited Unit B, Sutton Parkway Oddcroft Lane Sutton-in-Ashfield NG17 5FB United Kingdom		Issue 1 (2006-08-23)
Equipment:	A Type XB15 Xenon Beacon		
Optional accessory:			
Type of Protection:	Flameproof, Dust Protection by Enclosure		
Marking:	Ex d IIC T* Gb Ex tb III C T*°C Db (Tamb. -55°C to + °C) * See schedule (Variation 3.7)		

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

General Manager

Signature:
(for printed version)

Date:
(for printed version)

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 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 05.0048X**

Page 2 of 4

Date of issue: 2013-08-14

Issue No: 4

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

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2007](#) 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 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:

Quality Assessment Report:

IECEX ATR:

GB/BAS/ExTR13.0174/00
GB/BAS/ExTR09.0179/00
GB/BAS/ExTR13.0026/00

File reference:

13/0569
09/0796
11/1000



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 4

Date of issue: 2013-08-14

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The same XB15 flameproof housing, as described above, may also be used with alternative interior components in the FB15 and LD15.

The Type XB15 Xenon Beacon may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation of 30 watts.

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W

For all variants listed above the enclosure may be fitted with a terminal block with up to 12 ways and rated up to 25A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 4

Date of issue: 2013-08-14

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 4.1

To note correction to drawing of routine pressure test value and minor dimensional changes that do not affect certification.

ExTR: **GB/BAS/ExTR13.0174 /00**

File Reference: **13/0569**



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

Certificate No.: **IECEX BAS 05.0048X** Page 1 of 5 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2006-08-23\)](#)
Date of Issue: 2009-10-08
Applicant: **Cooper MEDC Limited**
Colliery Road
Pinxton
Nottinghamshire
NG16 6JF
United Kingdom
Equipment: **A Type XB15 Xenon Beacon**
Optional accessory:
Type of Protection: **Flameproof**
Marking: IECEx BAS 05.0048X
Ex d IIC T* - see schedule
DIP A21 IP6X

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Managing Director

Signature:
(for printed version)

Date:
(for printed version)

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 or use of this QR Code.



Certificate issued by:

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





IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 2 of 5

Date of issue: 2009-10-08

Issue No: 2

Manufacturer: **Cooper MEDC Limited**
Colliery Road
Pinxton
Nottinghamshire
NG16 6JF
United Kingdom

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 60079-0:2004](#) Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition:4.0

[IEC 60079-1:2003](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:5

[IEC 61241-1-1:1999](#) Electrical apparatus for use in the presence of combustible dust - Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus
Edition:2

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 Report:

Quality Assessment Report:

IECEx ATR:
UK/BAS/05/0246
GB/BAS/ExTR09.0179/00

File reference:
05/0246
09/0796



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 5

Date of issue: 2009-10-08

Issue No: 2

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 Xenon Beacon comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided along side the internal component connections.

The interior of the enclosure comprises a printed circuit board (PCB) incorporating a xenon tube and control electronics, mounted on pillars from the base. In addition a terminal block with up to 12 ways and rated up to 25A is mounted in the base of the enclosure.

The Type XB15 Xenon Beacon may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation of 30 watts.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 5

Date of issue: 2009-10-08

Issue No: 2

Equipment (continued):

Variation 0.1

An alternative interior comprising a 60W or 100W filament lamp, mounted in a ceramic lamp holder attached to a mounting plate which is raised on pillars from the base. A terminal block with up to 12 ways and rated up to 25A is mounted in the base of the enclosure.

In this form the unit is re-designated a Type FB15 Beacon.

Variation 0.2

An alternative interior comprising an 18W fluorescent lamp, mounted in a lamp holder attached to a PCB which is raised on pillars from the base. A terminal block with up to 12 ways and rated up to 25A is mounted in the base of the enclosure.

In this form the unit is re-designated a Type FL15 Beacon.

Variation 0.3

An alternative interior comprising six banks of 5 LEDs and associated control gear to form a Type LD15 Beacon rated up to 48 V d.c. or up to 254V a.c. The LEDs are mounted in a lamp holder attached to a PCB which is raised on pillars from the base. A terminal block with up to 12 ways and rated up to 25A is mounted in the base of the enclosure.

In this form the unit is re-designated a Type LD15 Beacon.

The above units have the following temperature class and ambient combinations:-

Beacon Type	Lamp Rating	Temperature Class
XB15	30W	T85 °C (T _{amb} = -55 °C to +40 °C)
		T100 °C (T _{amb} = -55 °C to +55 °C)
		T135 °C (T _{amb} = -55 °C to +70 °C)
FB15	60W	T135 °C (T _{amb} = -55 °C to +55 °C)
	100W	T200 °C (T _{amb} = -55 °C to +70 °C)
FL15	18W	T85 °C (T _{amb} = -55 °C to +40 °C)
		T100 °C (T _{amb} = -55 °C to +55 °C)
LD15	30W	T85 °C (T _{amb} = -55 °C to +40 °C)
		T100 °C (T _{amb} = -55 °C to +55 °C)



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 5 of 5

Date of issue: 2009-10-08

Issue No: 2

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) Variation 2.1

Clarification of the routine overpressure test requirement.

This document also 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

ExTR: **GB/BAS/ExTR09.0179/00**

File Reference: **09/0796**



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

Certificate No.: **IECEx BAS 05.0048X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 1
Date of Issue: 2006-08-23
Applicant: **MEDC Limited**
Colliery Road
Pinxton
Nottinghamshire
NG16 6JF
United Kingdom
Equipment: **A Type XB15 Xenon Beacon**
Optional accessory:
Type of Protection: **Flameproof**
Marking: IECEx BAS 05.0048X
Ex d IIC T* - see schedule
DIP A21 IP6X

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Managing Director

Signature:
(for printed version)

Date:
(for printed version)

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 or use of this QR Code.



Certificate issued by:

Baseefa (2001) Ltd.
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom





IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 2 of 4

Date of issue: 2006-08-23

Issue No: 1

Manufacturer: **MEDC Limited**
Colliery Road
Pinxton
Nottinghamshire
NG16 6JF
United Kingdom

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 60079-0:2004](#) Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition:4.0

[IEC 60079-1:2003](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:5

[IEC 61241-1-1:1999](#) Electrical apparatus for use in the presence of combustible dust - Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus
Edition:2

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 Report:

Quality Assessment Report:

IECEx ATR:
UK/BAS/05/0246

File reference:
05/0246



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 4

Date of issue: 2006-08-23

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 Xenon Beacon comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided along side the internal component connections.

The interior of the enclosure comprises a printed circuit board (PCB) incorporating a xenon tube and control electronics, mounted on pillars from the base. In addition a terminal block with up to 12 ways and rated up to 25A is mounted in the base of the enclosure.

The Type XB15 Xenon Beacon may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation of 30 watts.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 4

Date of issue: 2006-08-23

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

IECEx Certificate Variation

Variation 1.1

An alternative interior comprising a tungsten halogen lamp with a rotating screen assembly and control electronics, all attached to a mounting plate which is raised on pillars from the base. A terminal block is mounted in the base of the enclosure for the connection of incoming cables.

In this form the unit is re-designated a Type TH15 Beacon and has a maximum internal power dissipation of 40W. This unit may have the following temperature class and ambient combinations:-

Beacon Type	Lamp Rating	Temperature Class
TH15	35W	T85 °C (T _{amb} = -55 °C to +40 °C)
		T100 °C (T _{amb} = -55 °C to +55 °C)
		T115 °C (T _{amb} = -55 °C to +70 °C)

ExTR: GB/BAS/ExTR06.0099/00

File Reference: 06/0307



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

Certificate No.: **IECEx BAS 05.0048X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2009-10-08\)](#)
[Issue 1 \(2006-08-23\)](#)
Date of Issue: 2013-02-28
Applicant: **Cooper MEDC Limited**
Unit B, Sutton Parkway
Oddicroft Lane
Sutton-in-Ashfield
NG17 5FB
United Kingdom
Equipment: **A Type XB15 Xenon Beacon**
Optional accessory:
Type of Protection: **Flameproof, Dust Protection by Enclosure**
Marking: **Ex d IIC T* Gb Ex tb III C T*°C Db (Tamb. -55°C to + °°C) * See schedule (Variation 3.7)**

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

General Manager

Signature:
(for printed version)

Date:
(for printed version)

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 or use of this QR Code.



Certificate issued by:

Baseefa (2001) Ltd.
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0048X**

Page 2 of 4

Date of issue: 2013-02-28

Issue No: 3

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

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2007](#) 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 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:

Quality Assessment Report:

IECEX ATR:

UK/BAS/05/0246
GB/BAS/ExTR09.0179/00
GB/BAS/ExTR13.0026/00

File reference:

05/0246
09/0796
11/1000



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 3 of 4

Date of issue: 2013-02-28

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type XB15 flameproof housing comprises a cylindrical enclosure, manufactured in glass reinforced polyester by compression moulding, complete with a borosilicate wellglass cemented into the centre of the cover. In addition the wellglass may be protected by an optional guard arrangement fixed to the cover.

The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entries are provided in the side wall of the enclosure. Internal earthing facilities are provided alongside the internal component connections.

The same XB15 flameproof housing, as described above, may also be used with alternative interior components in the FB15 and LD15.

The Type XB15 Xenon Beacon may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation of 30 watts.

The Type FB15 Filament Lamp may be rated from 12V d.c. to 254V a.c. with a maximum power dissipation filament lamp of 60W or 100W.

The Type LD15 LED Beacon may be rated up to 48V d.c. with a maximum power dissipation of 13.5W

For all variants listed above the enclosure may be fitted with a terminal block with up to 12 ways and rated up to 25A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 05.0048X**

Page 4 of 4

Date of issue: 2013-02-28

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 3.1

Re-design of the interior arrangement of the DC version of the LD15 Beacon.

Variation 3.2

Revision of temperature classes for the DC version of the LD15 Beacon

Variation 3.3

Revisions to the DC versions of the XB15 Beacon

Variation 3.4

Deletion of the FL15, TH15 and the AC version of the LD 15 from the certificate

Variation 3.5

Revision to the certificate holders address

Variation 3.6

Standards update from IEC 60079-0: 2004 Edition 4, IEC 60079-1: 2003 Edition 5 and IEC 61241-1-1: 1999 Edition 2 to IEC 60079-0: 2011 Edition 6, IEC 60079-1: 2007 Edition 6 and IEC 60079-31: 2008 Edition 1

Variation 3.7

Revisions to marking

The above units have the following temperature classes and ambient conditions:

Beacon Type	Lamp Rating	Temperature Class
XB15	30W(15J & 10J)	T6/T85 °C (T _{amb.} -55 °C to +40 °C)
		T5/T100 °C (T _{amb.} -55 °C to +55 °C)
		T4/T135 °C (T _{amb.} -55 °C to +70 °C)
	30W(5J)	T6/T85 °C (T _{amb.} -55 °C to +55 °C)
		T5/T100 °C (T _{amb.} -55 °C to +70 °C)
FB15	60W	T4/T135 °C (T _{amb.} -55 °C to +55 °C)
		T3/T200 °C (T _{amb.} -55 °C to +70 °C)
	100W	T3/T200 °C (T _{amb.} -55 °C to +40 °C)
LD15	13.5W	T6/T85 °C (T _{amb.} -55 °C to +55 °C)
		T5/T100 °C (T _{amb.} -55 °C to +70 °C)

ExTR: GB/BAS/ExTR13.0026/00

File Reference: 11/1000