



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BAS 05.0048X Issue No: 5 Certificate history:
Status: **Current** Page 1 of 4 Issue No. 5 (2013-11-01)
Date of Issue: **2013-11-01** Issue No. 4 (2013-08-14)
Applicant: **Cooper MEDC Limited** Issue No. 3 (2013-02-28)
Unit B, Sutton Parkway Issue No. 2 (2009-10-08)
Oddicroft Lane Issue No. 1 (2006-08-23)
Sutton-in-Ashfield
NG17 5FB
United Kingdom

Electrical Apparatus: **A Type XB15 Xenon Beacon**
Optional accessory:

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

Marking: **Ex d IIC T* Gb**
Ex tb IIIC 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:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements

Edition:6.0

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

Edition:6

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

Edition:1

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

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



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Schedule

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.

CONDITIONS OF CERTIFICATION: 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.



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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**