



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx BAS 11.0105X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 2 Issue 1 (2013-03-04)  
Issue 0 (2012-09-14)  
Date of Issue: 2016-09-28  
Applicant: **Eaton MEDC Limited**  
Unit B, Sutton Parkway  
Oddicroft Lane  
Sutton-in-Ashfield  
NG17 5FB  
**United Kingdom**  
Equipment: **Type SL5/1 Status Lamp**  
Optional accessory:  
Type of Protection: **Increased Safety 'e', Encapsulation 'm'**  
Marking: **Ex e IIC T3 Gb (Tamb -40°C to +55°C) Filament Lamp Type**  
**Ex e mb IIC T4 Gb (Tamb -40°C to +45°C) LED Lamp Type**  
**Ex e mb IIC T4 Gb (Tamb -40°C to +55°C) Xenon Lamp Type**

Approved for issue on behalf of the IECEx  
Certification Body:

**R S Sinclair**

Position:

**Technical Manager**

Signature:  
(for printed version)

Date:

\_\_\_\_\_  
\_\_\_\_\_

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

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





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Date of issue: 2016-09-28

Issue No: 2

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

Additional  
manufacturing  
locations:

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

#### STANDARDS :

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

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

**IEC 60079-18:2009** Explosive atmospheres Part 18: Equipment protection by encapsulation "m"  
Edition:3

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

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

#### TEST & ASSESSMENT REPORTS:

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

Test Report:

[GB/BAS/ExTR11.0201/00](#)

Quality Assessment Report:

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



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

A Type SL5/1 Status Lamp comprises of a glass reinforced polyester enclosure and cover secured by 4 captive M5 screws utilising a 3.5mm diameter 'O' ring located in a lip in the cover to provide effective sealing of at least IP54. A clear polycarbonate dome shaped lens screws into an M82 threaded hole in the cover and is sealed in place using silicone adhesive.

Refer to the certificate Annex for full details.

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

1. All terminals, whether used or not, shall be fully tightened down.
2. Interconnected units must be of the same electrical rating.
3. The terminals shall only be installed and wired with cable in a temperature range of -10°C to +80°C.
4. The cable entry devices used on the equipment shall be suitably IECEx equipment certified and maintain the IP54 minimum of the enclosure. Unused cable entries must be fitted with suitable IECEx equipment certified stopping plugs that maintain the IP54 minimum of the enclosure.
5. The equipment shall be connected by a supply with a 1500A short-circuit current capable fuse.



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

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**

### **Annex:**

[IECEx BAS 11.0105X Annex.pdf](#)

A Type SL5/1 Status Lamp comprises of a glass reinforced polyester enclosure and cover secured by 4 captive M5 screws utilising a 3.5mm diameter 'O' ring located in a lip in the cover to provide effective sealing of at least IP54. A clear polycarbonate dome shaped lens screws into an M82 threaded hole in the cover and is sealed in place using silicone adhesive.

The enclosure is fitted with a label stating 'WARNING – To avoid electrostatic charge build up, clean enclosure exterior with a damp cloth' and 'WARNING – Do not open when energised'.

The enclosure can be fitted with the following component IECEx certified terminal block

Manufacturer	Type	Certificate Number
Weidmuller	AKZ2.5 or AKZ4 AKE2.5 or AKE4	IECEx SIR 05.0038U

Three different types of light source can be used as described below:

- Filament lamps

A bulb assembly consisting of two 5W filament lamps in a mounting enclosure secured with epoxy resin. The enclosure is attached to the cover. The wiring is terminated in the connection facilities, as listed above, which are rail mounted and secured to the base of the enclosure. Supply voltages of upto 30Vac/dc are permitted.

- High Output LED's

An array of 64 LED's. either red, amber, green or blue are encapsulated within the domed polycarbonate lens. The LED's may operate continuously or flashing at a rate of 60 flashes per minute controlled by an encapsulated timer circuit located within the base of the enclosure. The terminals, as listed above, are secured to pillars locating them above the timer circuit assembly. Supply voltages of up to 48Vdc are permitted.

- Xenon Discharge Tubes

Two xenon discharge tubes are encapsulated within the domed polycarbonate lens. The xenons operate flashing at a rate of 60 flashes per minute controlled by an encapsulated timer circuit located within the base of the enclosure. The terminals, as listed above, are secured to pillars locating them above the timer circuit assembly. Supply voltages of upto 48Vdc are permitted.

Up to five individual Status Lamps of the same electrical rating may be interconnected using a threaded nipple and lock nut arrangement. The interface is sealed with a silicone rubber gasket to maintain the ingress protection. The designation of the interconnected units is as follows;

Type	No. of units
SL5/1	1
SL5/2	2
SL5/3	3
SL5/4	4
SL5/5	5