



# 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](http://www.iecex.com)

Certificate No.: IECEx ITA 08.0013X Issue No: 1 Certificate history:  
Status: **Current** Page 1 of 4 [Issue No. 1 \(2017-04-28\)](#)  
Date of Issue: **2017-04-28** [Issue No. 0 \(2009-01-31\)](#)  
Applicant: **AUSTDAC PTY LTD**  
Unit 1, 42 Carrington Road  
Castle Hill NSW 2154  
**Australia**  
Equipment: **Strobe Type MFLA3-12-XX & MFLA3-06-XX**  
*Optional accessory:*  
Type of Protection: **Ex ia I**  
Marking:  
Ex ia I  
IECEX ITA 08.0013X

Approved for issue on behalf of the IECEx  
Certification Body:

David Price

Position:

Certification Authority

Signature:  
(for printed version)

Date:

2017-04-28

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](#).

Certificate issued by:

**TUV Rheinland Australia Pty. Ltd**  
1/30 Kennington Drive  
Tomago NSW 2322  
Australia





# IECEx Certificate of Conformity

Certificate No: IECEx ITA 08.0013X Issue No: 1

Date of Issue: 2017-04-28 Page 2 of 4

Manufacturer: **AUSTDAC PTY. LTD**  
Unit 1, 42 Carrington Road  
Castle Hill NSW 2154  
**Australia**

Additional Manufacturing location(s):

**Dongguan Hubbell Electrical Products Company Limited**  
Xincheng Industrial Zone  
Hengli Town, Dongguan City  
523460, Guangdong  
China

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 : 2004** Electrical apparatus for explosive gas atmospheres - Part 0: General requirements  
Edition:4.0  
**IEC 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:5

*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*

Test Report:

[AU/ITA/ExTR08.0022/00](#)

Quality Assessment Report:

[AU/ITA/QAR06.0001/11](#)      [AU/ITA/QAR15.0002/01](#)



# IECEx Certificate of Conformity

Certificate No: IECEx ITA 08.0013X

Issue No: 1

Date of Issue: 2017-04-28

Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

This certificate covers Strobe Type MFLA3-12-XX & MFLA3-06-XX Where XX represent the colour of the flashing light. WH = White, BL = Blue, YL = Yellow, RD = Red, GN = Green

And are designed to provide a flashing light for general annunciation when the power supply is connected to the circuit. The apparatus comprises of a single printed wiring board upon which are mounted two high visibility Light Emitting Diodes (LED) and other electronic components. The electronics module is completely encapsulated in to a plastic housing fitted with two bolts and a gasket for mounting on/to a host enclosure. External connections are made via two integral wires which are colour coded to minimize the risk of incorrect connection.

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

See annex for details



# IECEX Certificate of Conformity

---

Certificate No: IECEx ITA 08.0013X

Issue No: 1

Date of Issue: 2017-04-28

Page 4 of 4

**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

See annex for details

**Annex:**

[IECEX ITA 08.0013X-1 Annex.pdf](#)

# IECEX Certificate of Conformity



## Annexe



<b>Annexe for Certificate No.:</b>	<b>IECEX ITA 08.0013X</b>	<b>Issue No.:</b>	<b>1</b>
------------------------------------	---------------------------	-------------------	----------

### Description:

As provided in the Equipment section on the main body of the certificate.

### Conditions of Certification pertaining to Issue 0 of this Certificate:

1. The following parameters are to be taken into account in the installation:

MFLA3-06-XX			MFLA3-12-XX		
<i>U<sub>i</sub></i>	7.88	V	<i>U<sub>i</sub></i>	12.6	V
<i>I<sub>i</sub></i>	3.0	A	<i>I<sub>i</sub></i>	3.0	A
<i>C<sub>i</sub></i>	11	μF	<i>C<sub>i</sub></i>	negligible	μF
<i>L<sub>i</sub></i>	negligible	mH	<i>L<sub>i</sub></i>	negligible	mH

2. The apparatus must be installed in strict accordance with the manufacturer's instructions including that the connections associated with the integral wires are housed in a host enclosure having a minimum Ingress Protection (IP) rating of IP54 and the base of the strobe is protected from impact.

### Drawings Associated with the Issue 0 of this Certificate:

Manufacturer's Documents				
Title:	Drawing No.:	Pages	Rev. Level:	Date:
STROBE TYPE MFLA3 DOCUMENT LIST	59-080-37	2	11	2008/10/30
STROBE TYPE MFLA3 SCHEMATIC DIAGRAM	59-081-03	1	05	2008/09/12
STROBE TYPE MFLA3 PCB0179A ARTWORK DETAILS	59-082-21	3	03	2006/04/28
STROBE TYPE MFLA3 STROBE PCB0179A BILL OF MATERIALS	59-083-14	2	09	2008/09/12
STROBE TYPE MFLA3/MFLA4 ASSEMBLY DIAGRAM	59-084-04	1	08	2008/10/30
STROBE TYPE MFLA3/MFLA4 GASKET MECHANICAL DETAILS	59-085-06	1	03	2006/05/01

# IECEx Certificate of Conformity



## Annexe



<b>Annexe for Certificate No.:</b>	<b>IECEx ITA 08.0013X</b>	<b>Issue No.:</b>	<b>1</b>
------------------------------------	---------------------------	-------------------	----------

Title:	Drawing No.:	Pages	Rev. Level:	Date:
STROBE TYPE MFLA3 PCB0179A COMPONENT LOADING DIAGRAM	59-086-07	2	05	2007/04/12
STROBE TYPE MFLA3 BILL OF MATERIALS	59-088-14	2	04	2006/05/02
STROBE TYPE MFLA3/MFLA4 GENERAL ARRANGEMENT	59-090-15	1	03	2006/05/02
STROBE TYPE MFLA3 LABEL DETAILS	59-091-13	1	06	2008/09/18

### **Variations permitted by Issue 1 of this certificate:**

- Change in address of the manufacturer. QAR has been updated.
- Allow HAL (China) as an alternative manufacturing site.
- Minor editorials to the certificate to transfer to new template.

### **Conditions pertaining to Issue 1 of this certificate:**

No variations from the earlier certificate.

### **Drawings Associated with the Issue 1 of this Certificate:**

Nil.