



# 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 08.0014X Issue No: 1 Certificate history:  
Issue No. 1 (2017-04-28)  
Status: **Current** Page 1 of 4 Issue No. 0 (2009-01-31)  
Date of Issue: **2017-04-28**  
Applicant: **AUSTDAC PTY LTD**  
Unit 1, 42 Carrington Road  
Castle Hill NSW 2154  
**Australia**  
Equipment: **Emergency Strobe Type MFLA5-CC**  
*Optional accessory:*  
Type of Protection: **Ex ia I**  
Marking:  
Ex ia I  
IECEX ITA 08.0014X

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

Certificate issued by:

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





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

**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/ExTR09.0003/00](#)

Quality Assessment Report:

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

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



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## Schedule

### EQUIPMENT:

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

The apparatus is designed to provide a flashing light for indicating evacuation routes and the location of safety equipment caches in an emergency. The apparatus comprises a single printed wiring board upon which are mounted electronic components and an encapsulated battery pack housed in a metallic housing. Mounted on top of the enclosure is an encapsulated Emergency Strobe assembly containing a printed wiring board upon which are mounted light emitting diodes and other electronic components.

External connections are made via two integral terminals that are marked X1 and X2. Numerous emergency strobes are connected in a daisy chain using terminals X1 and X2. Under normal conditions the emergency strobe is held off (not flashing) by a control signal (voltage) on the daisy chain. Should the daisy chain control voltage be removed each emergency strobe will flash using its internal battery for power.

The MFLA5 - CC is available in the following colours:

MFLA5 - WH = White

MFLA5 - BL = Blue

MFLA5 - YL = Yellow

MFLA5 - RD = Red

MFLA5 - GN = Green

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

See annex for details



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

See annex for details

**Annex:**

[IECEX ITA 08.0014X-1 Annex.pdf](#)

# IECEX Certificate of Conformity



## Annexe



<b>Annexe for Certificate No.:</b>	<b>IECEX ITA 08.0014X</b>	<b>Issue No.:</b>	<b>1</b>
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### 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 device shall be used in accordance with the manufacturers instructions as detailed in Manufacturer's Document 59-130-12, especially in relation to the changing of the battery pack.
2. The following parameters are to be taken into account in the installation:

Connections X1 / X2		
<i>U<sub>i</sub></i>	28	V
<i>I<sub>i</sub></i>	3.0	A
<i>C<sub>i</sub></i>	negligible	μF
<i>L<sub>i</sub></i>	negligible	mH

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

Manufacturer's Documents				
Title:	Drawing No.:	Pages	Rev. Level:	Date:
EMERGENCY STROBE TYPE MFLA5 SCHEMATIC DIAGRAM	59-117-03	1	8	2008-12-08
EMERGENCY STROBE TYPE MFLA5 PCB0210A ARTWORK DETAILS	59-118-21	3	3	2008-12-08
EMERGENCY STROBE TYPE MFLA5 PCB0210A BILL OF MATERIALS	59-119-14	2	5	2008-12-15
EMERGENCY STROBE TYPE MFLA5 PCB0210A COMPONENT LOADING DIAGRAM	59-120-07	1	4	2007-11-21
EMERGENCY STROBE TYPE MFLA5 PCB0210A BILL OF MATERIALS	59-121-14	1	5	2008-04-15
EMERGENCY STROBE TYPE MFLA5 ASSEMBLY DIAGRAM	59-122-04	1	4	2008-12-08
EMERGENCY STROBE TYPE MFLA5 BATTERY HOLDER MECHANICAL DETAILS	59-124-06	1	2	2007-10-08

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## Annexe



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Title:	Drawing No.:	Pages	Rev. Level:	Date:
EMERGENCY STROBE TYPE MFLA5 ENCLOSURE S/S SIDE ENTRY MECHANICAL DETAILS	59-125-06	1	4	2008-10-22
EMERGENCY STROBE TYPE MFLA5 BATTERY HOLDER GENERAL ARRANGEMENT	59-126-15	1	1	2006-06-05
EMERGENCY STROBE TYPE MFLA5 S/S ENCLOSURE ASSEMBLY DIAGRAM	59-129-04	1	6	2008-12-08
EMERGENCY STROBE TYPE MFLA5 LABEL DETAILS DIAGRAM	59-131-13	1	5	2008-12-08
ROADSIDE FLASHER TYPE MFLA2/MFLA5 BATTERY CONNECTION WIRING DIAGRAM	59-058-05	2	13	2007-07-30
ROADSIDE FLASHER TYPE MFLA2/MFLA5 BATTERY PACK SCHEMATIC DIAGRAM	59-069-03	1	11	2008-01-21
GASKET COMPRESSION LIMITER INSERT 3.5 mm MECHANICAL DETAILS	90-285-06	1	01	2007-03-29
LOCKOUT ENCLOSURE #2 GASKET MECHANICAL DETAILS	90-287-06	1	02	2008-10-22
LOCKOUT ENCLOSURE #2 STAINLESS STEEL FRONT PLATE MECHANICAL DETAILS	90-288-06	1	04	2008-10-22
EMERGENCY STROBE USER'S MANUAL	59-130-12	8	4	2007-12-08

### **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.

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## Annexe



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

Nil.