



# 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 12.0015X 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 \(2012-08-23\)](#)  
Applicant: **Austdac Pty Ltd**  
Unit 1, 42 Carrington Road,  
Castle Hill, NSW, 2154  
**Australia**  
Equipment: **Telephone Type A103**  
*Optional accessory:*  
Type of Protection: **Intrinsic Safety**  
Marking: Ex ia I

*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





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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 : 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/ExTR12.0028/00](#)

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 Telephone Type A103 comprises of a non-metallic and a metallic frame incorporating a terminal chamber.

The non-metallic enclosure containing two printed circuit board (PCB) upon which are mounted electronic components including a previously certified relay module ARWP2 IS Relay (IECEx TSA 07.0002X) evaluated in TestSafe IECEx Test Report AU/TSA/ExTR08.0020/00, and fitted with pushbuttons on one of the side walls, and a telephone handset with integral switch attached to the non-metallic enclosure via an integral cable.

The metallic terminal chamber contains two loud speakers mounted in the side walls, a previously certified Strobe Type MFLA3-12-XX (IECEx ITA 08.0013X) located on one of the side walls, an internal battery (BP004 previously certified IECEx BAS 10.0089U) and terminals for the connection of external circuits.

The I.S. Telephone Type A103 has been previously certified to the IECEx Scheme as part of a system in Certificate IECEx ITA 12.0006X and the evaluation documented in TUV Rheinland Test Report 19400018-003.

**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 12.0015X-1 Annex.pdf](#)

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## Annexe



<b>Annexe for Certificate No.:</b>	<b>IECEX ITA 12.0015X</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:

The following values are to be taken into account.

#### Input/Output Parameters

Terminals 1 to 5					
$U_{i=}$	27.3	V	$U_{o=}$	9.6	V <sup>Note 2</sup>
$I_{i=}$	500	mA <sup>Note1</sup>	$I_{o=}$	0	mA
$P_{i=}$	3.54	W	$P_{o=}$	0	mW
$C_{i=}$	220	nF			
$L_{i=}$	negligible	mH			

Note 1. Supply must be via a suitably certified resistive current limited source ( $R_{eq} = 54.6\Omega$  min)

Note 2. This voltage is considered to be the maximum voltage from the internal battery supply that may charge up capacitance via the series blocking diodes.

Terminals B1, B2 (Relay Contact terminals)					
$U_{i=}$	25	V	$U_{o=}$	0	V
$I_{i=}$	2.5	A	$I_{o=}$	0	mA
$P_{i=}$	5.0	W	$P_{o=}$	0	mW
$C_{i=}$	negligible	nF			
$L_{i=}$	negligible	mH	$U_{m=}$	100	V <sup>Note3</sup>

Note 3. Only to be connected when the A103 Telephone is located in a non-hazardous (safe) area.

Programming port CON8					
$U_{i=}$	0	V	$U_{m=}$	16	V <sup>Note4</sup>

Note 4. Only to be connected when the A103 Telephone is located in a non-hazardous (safe) area

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## Annexe



<b>Annexe for Certificate No.:</b>	<b>IECEX ITA 12.0015X</b>	<b>Issue No.:</b>	<b>1</b>
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### **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.