



# 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 MSC 17.0005U

Issue No: 0

Certificate history:

Issue No. 0 (2017-06-20)

Status: **Current**

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Date of Issue: **2017-06-20**

Applicant: **CCG Cable Terminations Pty Ltd**  
33-37 Forge Road  
Spartan Industrial Area  
Kempton Park 1619  
**South Africa**

Equipment: **90° Fixed & Swivel Adaptors**

Optional accessory:

Type of Protection: **Flameproof "db"; Increased safety "eb"; Protection by enclosure "tb"**

Marking:

Ex db IIC Gb/ Ex eb IIC Gb

Ex db I Mb / Ex eb I Mb

Ex tb IIIC Db

IP65 / IP66 / IP67 / IP68 - refer to schedule of limitations

Approved for issue on behalf of the IECEx  
Certification Body:


Geoff Slater

Position:

Manager

Signature:  
(for printed version)

Date:

  
21/7/2017

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:

**MSTC Mine Safety Technology Centre**  
8 Hartley Drive  
Thornton NSW 2322  
PO Box 343  
Australia



**Planning &  
Environment**  
Resources Regulator



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Manufacturer: **CCG Cable Terminations Pty Ltd**  
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**South Africa**

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, IFCFx 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2015</b> Edition:5.0	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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:

[GB/CML/ExTR16.0073/00](#)

Quality Assessment Report:

[ZA/ICS/QAR14.0001/02](#)



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## Schedule

### EQUIPMENT:

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

The 90° Fixed & Swivel Adaptors are manufactured from brass with a male threaded portion at one end and a female at the other.

See Annex for full description and Schedule of Limitations.

**SPECIFIC CONDITIONS OF USE: NO**

### Annex:

[Annex of IECEx MSC 17.0005U-00.pdf](#)



## IECEX Certificate of Conformity Annex

Annex for Certificate No.: IECEx MSC 17.0005U Issue No: 0

### Description of Equipment

The 90° Fixed & Swivel Adaptors are manufactured from brass with a male threaded portion at one end and a female at the other. They are intended for use where space is limited and there may not be room to fit a gland and cable in the conventional manner. They are intended for fitting to a threaded or plain hole (Ex eb applications only) when they are secured using a locknut. The swivel adaptor allows repositioning to align the cable in the desired direction when the adaptor is fully tightened. The fixed adaptors are available with metric, NPT, BSPP or BSPT male and female threads with the female threads the same size as, or any size smaller than, the male thread. The swivel adaptors are available with metric or BSPP male threads and either metric, NPT, BSPP or BSPT female threads the same size as, any size smaller than, the male thread.

### Schedule of Limitations

- i. All Adaptors are rated IP65 for any sealing arrangement. Fit the supplied sealing washer if an IP rating of IP66/67/68 is required.
- ii. The service temperature range -20°C to +95°C shall not be exceeded when the HDPE sealing ring is fitted. The service temperature range -60°C to +160°C shall not be exceeded when the PTFE sealing ring is fitted.
- iii. The Adaptors shall not be used in conjunction with a blanking device. In addition, only one Adaptor shall be installed in any one cable entry.

### Manufacturer's documents pertaining to issue 0 of this certificate:

Manufacturer's Documents			
Title:	Drawing No.:	Rev. Level:	Date:
Adjustable Elbow General Assembly	AELB ASSY-AUS	-	2017-05-15
Fixed Elbow General Assembly	FLEB ASSY-AUS	-	2017-05-15
Adjustable Elbow Body	AELB BODY	-	2016-04-20
Fixed Elbow	FELB BODY	-	2016-04-20
Elbow Nut	AELB NUT	-	2016-05-27

Certificate issued by:

