



# 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)

### Ex COMPONENT CERTIFICATE

Certificate No.: IECEX CML 16.0059U Issue No: 2 Certificate history:  
Status: **Current** Page 1 of 4 Issue No. 2 (2018-09-04)  
Date of Issue: **2018-09-04** Issue No. 1 (2016-09-16)  
Applicant: **CCG Cable Terminations PTY Ltd** Issue No. 0 (2016-07-10)  
33-37 Forge Road,  
Spartan Industrial Area  
Kempton Park 1619  
**South Africa**  
Ex Component: **Fixed & Swivel Adaptors**

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Flameproof "db", Increased Safety "eb", Dust Ignition "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:

R C Marshall

Position:

Certification Officer

Signature:  
(for printed version)

Date:

2018-09-04

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:

**Certification Management Limited**  
Unit 1, Newport Business Park  
New Port Road  
Ellesmere Port, CH65 4LZ  
United Kingdom





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Manufacturer: **CCG Cable Terminations PTY Ltd**  
33-37 Forge Road  
Spartan Industrial Area  
Kempton Park 1619  
**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 Component 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 Ex Component 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 : 2017</b> Edition:7.0	Explosive atmospheres - Part 0: Equipment - 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 Ex Component listed has successfully met the examination and test requirements as recorded in*

### Test Report:

[GB/CML/ExTR16.0073/00](#)      [GB/CML/ExTR16.0131/00](#)      [GB/CML/ExTR18.0203/00](#)

### Quality Assessment Report:

[ZA/ICS/QAR14.0001/04](#)



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## Schedule

**Ex Component(s) covered by this certificate is described below:**

The Fixed & Swivel Adapters 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.

**See Annex for full description**

### SCHEDULE OF LIMITATIONS:

- All adaptors are rated IP65 for any sealing arrangement. If an IP rating of IP66/67/68 is required, the supplied sealing washer shall be used.
- A service temperature of -20°C to +95°C shall not be exceeded when a HDPE sealing washer is utilised.
- A service temperature of -60°C to +160°C shall not be exceeded when a PTFE sealing washer is utilised.



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

### Issue 1

1. Addition of IP rating to certificate marking.

### Issue 2

1. To include 'T' and 'Y' Adaptor versions.
2. To update approval to IEC 60079-0:2017 standard

### Annex:

[IECEX CML 16.0059U Iss. 2 Annex.pdf](#)

**Annexe to:** IECEx CML 16.0059U Iss. 2  
**Applicant:** CCG Cable Terminations PTY Ltd  
**Apparatus:** Fixed & Swivel Adapters



### **Description of Equipment**

The Fixed & Swivel Adapters 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 adapter is fully tightened. The fixed adapters 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, or any size smaller than, the male thread.

On the 'T' and 'Y' adaptors the female threads do not need to be the same size as each other.

### **Design Options:**

- 90° Elbow Adapters
- 'T' Adapters
- 'Y' Adapters

### **Conditions of Manufacture**

None

### **Schedule of Limitations**

- i. All Adapters 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 Adapter shall be installed in any one cable entry.

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