



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX TSA 23.0023U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-01-31

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

Ex Component: Fixed 90°, 'T' and 'Y' 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 "ta"**

Marking: Ex db IIC Gb
Ex eb IIC Gb
Ex ta IIIC Da
Ex db I Mb
Ex eb I Mb
IP65 / IP66 / IP67 / IP68 - refer to Schedule of Limitations

Approved for issue on behalf of the IECEx
Certification Body:

Ujen Singh

Position:

Quality & Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

31 January 2024

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 www.iecex.com or use of this QR Code.



Certificate issued by:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia





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

Manufacturing
locations:

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 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

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

GB/CML/ExTR16.0073/00
GB/CML/ExTR22.0143/00

GB/CML/ExTR16.0131/00

GB/CML/ExTR18.0203/00

Quality Assessment Report:

ZA/ICS/QAR14.0001/09



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Date of issue: 2024-01-31

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

The Fixed (i.e., non-adjustable) 90°, 'T' and 'Y' adaptors are manufactured with a male threaded portion at one end and female(s) at the other. The Fixed adaptors 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.

Refer to Certificate Annexe for full Product Description.

SCHEDULE OF LIMITATIONS:

1. All adaptors are rated IP65 for any sealing arrangement. If an IP rating of IP66/67/68 is required, the supplied sealing washer or the specified grease shall be used (threaded entries only).
2. A service temperature of -60°C to +95°C shall not be exceeded when a HDPE sealing washer is utilised.
3. A service temperature of -60°C to +100°C shall not be exceeded when a Nylon sealing washer is utilised.
4. A service temperature of -60°C to +160°C shall not be exceeded when a PTFE sealing washer is utilised.
5. A service temperature of -60°C to +100°C shall not be exceeded when thread grease is utilised.

Annex:

[IECEX TSA 23.0023U-0_Annexe_1.pdf](#)



IECEX Certificate of Conformity Annexe

Annexe for Certificate No.:	IECEX TSA 23.0023U	Issue No.:	0
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Equipment description:

The Fixed (i.e., non-adjustable) 90°, 'T' and 'Y' adaptors are manufactured with a male threaded portion at one end and female(s) at the other. The Fixed adaptors 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 Fixed 90°, 'T' and 'Y' adaptors are available with Metric (M20 to M32), NPT, ET, BSPP or BSPT (1/2" to 1") male and female threads with the female threads the same size as, or any size smaller than the male thread. Alternatively, for a given body size, the male thread can be made larger, but never smaller, than the standard size.

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

Design Options:

- 90° Elbow Adaptors
- 'T' Adaptors
- 'Y' Adaptors

Materials of Manufacture

- Brass (CZ121)
- HDPE (D7255/HL), PTFE (CCG PTFE-001), Nylon (6)

Notes

1. Adaptors with parallel entry threads (e.g. Metric and BSP parallel) are supplied with fitted sealing gaskets on the male thread as standard. The sealing gasket is optional for Ex d applications without IP rating.
2. All units are rated IP65 for any sealing arrangement. Units with parallel threads shall be used with the supplied washer if an IP rating of IP66/67/68 is required. NPT threads are at least IP65 as standard, but IP68 (2m) can be achieved if one of the following grease types is applied to the NPT thread before fitting:- Renolit Lubrene CA 700, Renolit LC-WP2, Renolit Lubrene LX 220 EP2, Renolit Moly LX 2 or Dow Corning 4 Electrical Compound.
3. RE-FLEx sealing cord can be used as an alternative to a standard sealing gasket to achieve IP66/68. It is intended as a retro-fit solution and must be installed according to the fitting instructions supplied with it.

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IECEX Certificate of Conformity Annexe

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Drawing list pertaining to Issue 0 of this Certificate:

Document / Drawing Number:	Page/s:	Title:	Revision Level:	Date: (yyyy-mm-dd)
FELB ASSY - AUS	1 of 1	FIXED ELBOW GENERAL ASSEMBLY	1	2023-11-29
FELB BODY	1 of 1	FIXED ELBOW	1	2023-11-29
FT ADAPTOR ASSY - AUS	1 of 1	FIXED T ADAPTOR ASSEMBLY	-	2023-11-29
FT BODY	1 of 1	FIXED T ADAPTOR BODY	-	2018-08-17
FY ADAPTOR ASSY - AUS	1 of 1	FIXED Y ADAPTOR ASSEMBLY	-	2023-11-29
FY BODY	1 of 1	FIXED Y ADAPTOR BODY	-	2018-08-17

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