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 CML 15.0071U**

Page 1 of 4

Certificate history:
Issue 3 (2020-03-20)
Issue 2 (2017-08-29)
Issue 1 (2016-09-16)
Issue 0 (2015-10-14)

Status: **Current**

Issue No: 4

Date of Issue: 2025-05-02

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

Ex Component: Posi Fit, Screw Fit & MultiBox Range of Enclosures

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: **Increased Safety Ex "eb", "ec", Dust Ignition Ex "tb", "tc"**

Marking: Ex eb I Mb
Ex eb IIC Gb
Ex tb IIIC Db
Ex ec IIC Gc
Ex tc IIIC Dc

Ts = -60°C to +110°C

IP66/IP67/IP68 (2m cont.)

Approved for issue on behalf of the IECEx Certification Body: **L A Brisk**

Position: **Assistant Certification Manager**

Signature: (for printed version)

Date: (for printed version) 2025-05-02

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:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom

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

Manufacturing locations: **CCG Cable Terminations Ltd**
33-37 Forge Road
Spartan Industrial Area
Kempton Park, 1619
South Africa

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 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

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/ExTR15.0072/00 GB/CML/ExTR16.0132/00 GB/CML/ExTR17.0138/00
GB/CML/ExTR19.0225/00 GB/CML/ExTR25.0082/00

Quality Assessment Report:

ZA/ICS/QAR14.0001/10

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

Refer to Certificate Annex for Product Description.

SCHEDULE OF LIMITATIONS:

See Annex for Schedule of Limitations.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

This issue introduced the following change:

1. Addition of IP rating to certificate marking.

Issue 2

This issue introduced the following changes:

1. To allow WDU and WPE feed through terminals to be fitted, covered under IECEx ULD 14.0005U.
2. To allow an alternative 4 screw lid arrangement.

Issue 3

This issue introduced the following changes:

1. Addition of a new junction box model; Multi Box Posi Fit Assembly
2. Assessment of the Posi Fit Junction Boxes for increased safety Group I explosive atmospheres.
3. Inclusion of an additional O-ring material option
4. Update of standards to the latest editions

Issue 4

This issue introducted the following changes:

1. Editorial modifications to the product description to align the number of terminals used in each junction box and enclosure.
2. Evaluation to IEC 60079-31:2022 Ed. 3

Annex:

IECEx CML 15.0071U Iss. 4 Certificate annex.pdf

Annexe to:	**IECEx CML 15.0071U, Issue 4**
Apparatus:	**CCG Cable Terminations (Pty) Ltd**
Applicant:	**Posi Fit, ScrewFit and MultiBox Enclosures**

Description

The PosiFit enclosures are non-metallic enclosures manufactured from DMC (Dow Moulding Compound). The enclosures have a cylindrical shaped body with a screw-on cover, which is secured with a special tool that engages into the spines on the cover enclosure and have an O-ring between the housing and cover to maintain the IP rating. The cover can optionally be made from clear polycarbonate.

An alternative design, known as the ScrewFit Box, has the cover secured to the body with four M5 screws.

An adaptor, known as the Adapta Lid, can be used to convert an enclosure body from a screw-on cover type to the type that accepts a cover secured with four screws.

The PosiFit and ScrewFit enclosures have pressed metallic inserts in the side wall with threaded entries for certified entry devices, such as cable glands or stopping plugs.

The MultiBox enclosures are rectangular non-metallic enclosures manufactured from DMC (Dow Moulding Compound). Their lid is secured with four M6 screws and an O-ring between the housing and lid is used to maintain the IP rating.

The MultiBox enclosures have internal metal earth plates with threaded entries for certified entry devices, such as cable glands or stopping plugs.

The enclosures can be manufactured in the following various types and sizes:

Box Type	Box Size	Entry thread sizes	Entry positions.
Posi Fit 4-Way / Tx box	0	M16 – M20	4 entries positioned orthogonally around the side walls.
	1	M16 – M20	
	2	M16 – M25	
	3	M16 – M32	
	4	M16 – M40	
Screw Fit 4-Way Box	0	M16 – M20	4 entries positioned orthogonally around the side walls.
	1	M16 – M20	
	2	M16 – M25	
	3	M16 – M40	
Posi Fit Y-Box	0	M16 – M20	2 entries on one side of the box and one entry at the other side of the box.
	1	M16 – M20	
	2	M16 – M25	
	3	M16 – M32	
Posi-Fit H-Box	1	M16 – M20	2 entries on one side of the box and 2 entries at the other side of the box.
	2	M16 – M25	

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Box Type	Box Size	Entry thread sizes	Entry positions.
Bottom Entry Angle Box	1	M20 – M25	3 entries positioned at the bottom of the box in a triangular layout.
	2	M20 – M32	
	3	M20 – M40	
3-Way Bottom Entry Box	1	M16 – M20	3 entries positioned at the bottom of the box in a triangular layout.
	2	M16 – M25	
Angle Box	2	M16 – M25	2 entries positioned at the bottom of the box and 2 more, one on each side of the box.
ST Box / Strut Box	1	M16 – M20	2 entries positioned at opposite sides of the box.
Multi Box	B	M16 – M32	Multiple entries and combinations of entry sizes into box body are possible.
	C	M16 – M40	

Conditions of Manufacture

None.

Schedule of Limitations

The following conditions relate to safe installation and/or use of the equipment.

i. For enclosures that do not utilise locking screws on the cover / lid, only the CCG tool supplied shall be used for opening and closing.

ii. Under certain extreme circumstances, the polycarbonate (clear) cover incorporated in the enclosure may generate an ignition-capable level of electrostatic charge. Therefore, the enclosure shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.

iii. When fitted with the polycarbonate (clear) cover, the enclosure shall be installed to prevent direct UV exposure of internal components.

iv. Suitably certified cable glands and/or plugs shall be used in the enclosures threaded entries.

v. The enclosure types listed in this certificate have the following service temperature range, when assessed as part of equipment, these temperatures shall not be exceeded:

Ts = -60°C to +110°C

vi. The equipment/components have been subjected to impact tests equating to low risk of mechanical danger for Group I equipment in accordance with EN/IEC 60079-0 clause 26.4.2. When the equipment/components are used in Group I explosive atmospheres, the user shall ensure that they are additionally protected or installed in an area where they are at low risk of mechanical impact.

vii. The equipment/components have not been subjected to the tests for resistance to chemical agents for Group I equipment in accordance with EN/IEC 60079-0 clause 26.11. The user shall ensure that the equipment is not exposed to oils, greases, hydraulic fluids or any other chemical agents that may damage the equipment or invalidate the type of protection.