

**EU Type Examination Certificate CML 14ATEX3037U Issue 4**

- 1 Components intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Component **Posi Fit, ScrewFit and MultiBox Ranges of Enclosures**
- 3 Manufacturer **CCG Cable Terminations (Pty) Ltd**
- 4 Address **33-37 Forge Road,  
Spartan Industrial Area,  
Kempton Park, 1619,  
South Africa**

5 The component is specified in the description of this certificate and the documents to which it refers.

6 Eurofins CML B.V., Chamber of Commerce No 67386717, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 12.

7 The 'U' suffix after the certificate number indicates that the component is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.

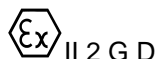
8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018      EN IEC 60079-7:2015+A1:2018      EN IEC 60079-31:2024\*

\* Although this standard does not appear on the harmonised list, the content has been reviewed, and as it is the latest technical knowledge and addresses all the same requirements as the previous edition, it is accepted as meeting the same EHSRs of the Directive as the previous, harmonised edition.

10 The equipment shall be marked with the following:



Ex eb IIC Gb

Ex eb I Mb

Ex tb IIIC Db

Ts = -60°C to +110°C

IP66/IP67/IP68 (2m cont.)

## 11 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	
Bottom Entry Angle Box	1	M20 – M25	
	2	M20 – M32	

Box Type	Box Size	Entry thread sizes	Entry positions.
	3	M20 – M40	3 entries positioned at the bottom of the box in a triangular layout.
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	

### Variation 1

This variation introduces the following modifications:

- i. To update the certificate reference to the 2014/34/EU Directive.
- ii. To allow an alternative 4 screw lid arrangement.

### Variation 2

This variation introduces the following modifications:

- i. Addition of a new junction box model; Multi Box Posi Fit Assembly.
- ii. Assessment of the Posi Fit Junction Boxes for increased safety Group I explosive atmospheres.
- iii. Inclusion of an additional O-ring material option.
- iv. Transfer of CML UK ATEX Certificates to CML BV.
- v. Update of standards to the latest editions.

### Variation 3

This variation introduces the following modifications:

- i. Editorial modifications to the product description to align the number of terminals used in each junction box and enclosure.
- ii. Evaluation to EN IEC 60079-31:2024

## 12 Certificate history and evaluation reports

Issue	Date	Associated Report	Notes
0	19 Jun 2014	R178A/00	Issue of Prime Certificate
1	16 Sep 2016	-	Addition of IP rating to certificate marking
2	29 Aug 2017	R11250A/01	Introduction of Variation 1
3	20 Mar 2020	R12877A/00	Introduction of Variation 2
4	02 May 2025	R18679A/00	Introduction of Variation 3

Note: Drawings that describe the equipment or component are listed in the Annex.

**13 Conditions of Manufacture**

None.

**14 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.

## Certificate Annex

**Certificate Number** CML 14ATEX3037U Issue 4  
**Equipment** Posi Fit Range of Enclosures  
**Manufacturer** CCG Cable Terminations (Pty) Ltd



The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved Date	Title
1003-0 - 100304	1 of 1	-	19 June 2014	POSIFIT / TX BOX Ex
1003-0 – 100304-M	1 of 1	-	19 June 2014	POSIFIT / TX BOX Ex MATERIAL
100701-ALID	1 of 1	-	19 June 2014	ADAPTA LID COVER ASSEMBLY
1009-0 – 100903 - M	1 of 1	-	19 June 2014	POSIFIT Y BOX Ex - MATERIAL
1009-0 – 100903	1 of 1	-	19 June 2014	POSIFIT Y BOX Ex
065001-S M	1 of 1	-	19 June 2014	STRUT BOX MATERIAL
065001-S	1 of 1	-	19 June 2014	STRUT BOX
100201 - 100202	1 of 1	1	19 June 2014	3 WAY BOTTOM ENTRY BOX
100201 – 100202-M	1 of 1	-	19 June 2014	3 WAY BOTTOM ENTRY BOX - MATERIAL
100301-H – 100303-H	1 of 1	-	19 June 2014	POSIFIT H BOX Ex
100301-H – 100303-H-M	1 of 1	-	19 June 2014	POSIFIT H BOX Ex - MATERIAL
100922 - M	1 of 1	-	19 June 2014	ANGLE BOX Ex - MATERIAL
100922	1 of 1	-	19 June 2014	ANGLE BOX Ex
100921 – BE – 100923 -BE	1 of 1	-	19 June 2014	BOTTOM ENTRY ANGLE BOX Ex
100921 – M – 100923 -M	1 of 1	-	19 June 2014	BOTTOM ENTRY ANGLE BOX Ex - MATERIAL
100300-M-U	1 of 1	-	19 June 2014	“X” POSI BOX MARKING

### Issue 1

No additional drawings issued.

### Issue 2

Drawing No	Sheets	Rev	Approved Date	Title
100301-SF – 100304-SF	1 of 1	-	29 Aug 2017	POSIFIT / TX BOX Ex

### Issue 3

Drawing No	Sheets	Rev	Approved Date	Title
10050B – 10050C	1 of 1	1	20 Mar 2020	“X” Multi Box Posifit Assembly

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**Certificate Number** CML 14ATEX3037U Issue 4  
**Equipment** Posi Fit Range of Enclosures  
**Manufacturer** CCG Cable Terminations (Pty) Ltd



Drawing No	Sheets	Rev	Approved Date	Title
10050-M-U	1 of 1	1	20 Mar 2020	"X" Posi Multi Box U-Marking
100300-M-U	1 of 1	1	20 Mar 2020	"X" Posi Box U-Marking
100301-SF-100304_SF	1 of 1	1	20 Mar 2020	"X" ALL Type CCG Screw Fit Box Assembly
065001-S M	1 of 1	1	20 Mar 2020	Strut Box Material
100201 – 100202-M	1 of 1	1	20 Mar 2020	3 Way Bottom Entry Box- Material
1003-0 – 100304	1 of 1	1	20 Mar 2020	PosiFit / TX Box Ex
1003_0 _ 100304 M	1 of 1	1	20 Mar 2020	PosiFit / TX Box Ex - Material
100701-ALID	1 of 1	1	20 Mar 2020	Adapta Lid Cover Assembly
1009-0 - 100903	1 of 1	1	20 Mar 2020	Posifit Y Box Ex
100921 – M – 100923 – M	1 of 1	1	20 Mar 2020	Bottom Entry Angle Box Ex- Material
100922 – M	1 of 1	1	20 Mar 2020	Angle Box Ex – Material

### Issue 4

No additional drawings issued.