



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

Certificate No.: **IECEx TSA 25.0012X** Page 1 of 4 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2025-07-24

Applicant: **CCG Cable Terminations (PTY) LTD**
33-37 Forge Road
Spartan Industrial Area
Kempton Park 1619
South Africa

Equipment: **Posi Fit, ScrewFit & MultiBox Junction Boxes**

Optional accessory:

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

Marking: Ex eb I Mb
Ex eb IIC T6 Gb
Ex tb IIIC T70°C Db
Ex ec IIC T6 Gc
Ex tc IIIC T70°C Dc

Ta = -60°C to +40°C/55°C

IP66/IP67/IP68 (2m cont.)

Approved for issue on behalf of the IECEx
Certification Body:

Ujen Singh

Position:

Quality & Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

24 July 2025

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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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Manufacturing locations: **CCG Cable Terminations (PTY) LTD**
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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 equipment 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 equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

GB/CML/ExTR15.0072/00
GB/CML/ExTR19.0225/00

GB/CML/ExTR16.0132/00

GB/CML/ExTR17.0138/00

Quality Assessment Report:

ZA/ICS/QAR14.0001/10



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The PosiFit, ScrewFit and MultiBox Junction boxes comprise of non-metallic enclosure components certified under IECEx CML 15.0071U that are fitted with terminals.

See Annexe for more details.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. For enclosures that do not utilise locking screws on the cover / lid, only the CCG tool supplied shall be used for opening and closing.
2. 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.
3. When fitted with the polycarbonate (clear) cover, the enclosure shall be installed to prevent direct UV exposure of internal components.
4. Suitably certified cable glands and/or plugs shall be used in the enclosures threaded entries.
5. The Junction boxes listed in this certificate shall only be used with the following terminals. Specific installation conditions as set by the terminal manufacturer / terminal certification, shall be considered. This includes considering the use of the applicable partitions and end plates for the terminal blocks, conductor installation, tightening down of terminal block screws etc.

Manufacturer	Certificate No.	Ex coding	Type	Size (mm ²)
Weidmuller	IECEx TUR 18.0024U	Ex eb IIC Gb	AKZ4 and AKE4	4
Weidmuller	IECEx ULD 14.0005U	Ex eb IIC Gb	WDU & WPE 2.5, 4, 6, 10, 16, 35, 50 and 70N	2.5, 4, 6, 10, 16, 35, 50 and 70

6. Terminal blocks shall only be utilised on the applicable rail and shall allow sufficient space to make connections and to close the cover / lid.
7. The creepage and clearance between terminal blocks and from the terminal block to any earthed / bonded metallic part shall comply with the IEC 60079-7 / IEC 60079-15 requirements for the applicable voltage of the terminal blocks.
8. The current per circuit in the junction box is limited by the size of the conductor and shall not exceed the following:

Max. current (A)		Conductor / terminal block size (mm ²)
<55°C ambient	<40°C ambient	
8.34	11.90	2.5
11.12	15.86	4
14.25	20.33	6
19.81	28.26	10
26.42	37.68	16
43.46	61.98	35
52.50	74.88	50
66.75	95.21	70

9. The equipment/components have been subjected to impact tests equating to low risk of mechanical danger for Group I equipment in accordance with 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.
10. The equipment/components have not been subjected to the tests for resistance to chemical agents for Group I equipment in accordance with 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.



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**Additional information:
Manufacturer's Routine Test:**

None.

Note on Drawing List pertaining to Issue 0 of this Certificate:

Drawings **100300-M-X** and **10050-M-X**, previously referenced in IECEx Test Report No. GB/CML/ExTR19.0225/00, have been replaced with drawings **100300-M-X-AU** and **10050-M-X-AU**. The updates made were solely to include the TSA certificate number.

Drawing **10050B-10050C**, also listed in IECEx Test Report No. GB/CML/ExTR19.0225/00, have been replaced with drawings **10050B-10050C-AU**, which likewise reflect the addition of the Testsafe certificate number with correct editorial errors.

Annex:

[IECEx TSA 25.0012X-0_Annexe.pdf](#)



IECEX Certificate of Conformity Annexe

Annexe for Certificate No.:	IECEX TSA 25.0012X	Issue No.:	0
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Equipment description continue:

The terminals detailed in table below:

Box Type	Size	Max. No. of terminals								
		2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	35 mm ²	50 mm ²	70 mm ²	4 mm ² mini terminals
Posi Fit 4-Way / Tx box	0	-	-	-	-	-	-	-	-	8
	1	10	8	6	5	4	-	-	-	8
	2	12	10	8	7	6	3	-	-	10
	3	20	16	12	12	10	-	-	-	16
	4	46	35	28	23	18	14	-	10	35
Screw Fit 4-Way Box	0	-	-	-	-	-	-	-	-	8
	1	10	8	6	5	4	-	-	-	8
	2	12	10	8	7	6	3	-	-	10
	3	20	16	12	12	10	-	-	-	16
Posi Fit Y-Box	0	-	-	-	-	-	-	-	-	8
	1	10	8	6	5	-	-	-	-	8
	2	12	10	8	7	6	-	-	-	10
	3	20	16	12	12	10	-	-	-	16
Posi-Fit H-Box	1	10	8	6	5	4	-	-	-	8
	2	12	10	8	7	6	-	-	-	10
Bottom Entry Angle Box	1	14	-	-	-	-	-	-	-	8
	2	12	10	8	7	-	-	-	-	8
	3	20	16	12	12	10	-	-	-	16
3-Way Bottom Entry Box	1	-	-	-	-	-	-	-	-	8
	2	12	12	8	7	6	-	-	-	12
Angle Box	2	12	10	8	7	6	-	-	-	10
ST Box / Strut Box	1	4	-	-	-	-	-	-	-	6
Multi Box	B	20	16	12	12	10	-	-	-	16
	C	46	35	28	23	14	6	12	-	35

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IECEX Certificate of Conformity Annexe

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Note: 4mm² mini terminals are fitted to a TS 15 Mini Rail. All other sizes are fitted to a TS 35 Top Hat Rail.

Drawing list pertaining to Issue 0 of this Certificate:

Document / Drawing Number:	Page/s:	Title:	Revision Level:	Date: (yyyy-mm-dd)
065001-S M	1	Strut Box Material	1	2019-11-07
065001-S	1	Strut Box	-	2012-06-06
100201 - 100202	1	3 Way Bottom Entry Box	1	2021-05-07
100201 – 100202-M	1	3 Way Bottom Entry Box- Material	1	2019-11-07
1003-0 – 100304	1	Posifit / TX Box Ex	1	2019-11-07
1003_0 _ 100304 M	1	Posifit / TX Box Ex - Material	1	2019-11-07
100300-M-X-AU	1	“X” Posi Box X-Marking	1	2025-06-06
100301-H – 100303-H	1	Posifit H Box Ex	0	2009-11-18
100301-H – 100303-H-M	1	Posifit H Box Ex - Material	0	2009-11-18
100301-SF-100304_SF	1	“X” All Type Ccg Screw Fit Box Assembly	1	2019-11-07
10050B – 10050C -AU	1	“X” Multi Box Posifit Assembly	-	2020-04-06
10050-M-X-AU	1	“X” Posi Multi Box X-Marking	1	2025-06-06
100701-ALID	1	Adapta Lid Cover Assembly	1	2019-11-07
1009-0 - 100903	1	Posifit Y Box Ex	1	2019-11-07
1009-0 – 100903 - M	1	Posifit Y Box Ex - Material	-	2009-11-18
100921 – BE – 100923 - BE	1	Bottom Entry Angle Box Ex	-	2010-08-06
100921 – M – 100923 – M	1	Bottom Entry Angle Box Ex- Material	1	2019-11-07
100922 – M	1	Angle Box Ex – Material	1	2009-11-07
100922	1	Angle Box Ex	-	2009-11-18

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