



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 CML 16.0062X** Page 1 of 5 Certificate history:
Status: **Current** Issue No: 6 [Issue 5 \(2023-06-23\)](#)
Date of Issue: 2026-01-22 [Issue 4 \(2022-07-26\)](#)
[Issue 3 \(2020-02-28\)](#)
Applicant: **CCG Cable Terminations (Pty) Ltd** [Issue 2 \(2019-08-23\)](#)
33-37 Forge Road, Spartan Industrial Area, Kempton Park [Issue 1 \(2016-09-16\)](#)
1619 [Issue 0 \(2016-08-10\)](#)
South Africa

Equipment: **Threaded Adaptors, Reducers, Unions, Couplers, Blanking Plugs, Insulated Adaptors, Insulated Reducers, Posi Adaptors, Adjustable Elbow / 'T' / 'Y' Adaptors, Swivel Adaptors, Swivel Couplers and Swivel Elbow / 45° Adaptors**

Optional accessory:

Type of Protection: **Flameproof Ex "db", Increased Safety Ex "eb", *Restricted Breathing Ex "nR", Dust Ignition Ex "ta"**

Marking:

Ex db IIC Gb	Ex eb IIC Gb	Ex db I Mb
Ex eb IIC Gb	*Ex nR IIC Gc	Ex eb I Mb
*Ex nR IIC Gc	Ex ta IIIC Da	IP66/67/68 (2m cont)
Ex ta IIIC Da	IP66/67/68 (2m cont)	
IP66/67/68 (2m cont)		

(All product ranges except plastic blanking plugs)

(Plastic blanking plugs)

(All product ranges except plastic blanking plugs, insulated and Posi adaptors, and any aluminium product. See Specific Conditions of Use)

(Refer to Annex for service temperature range)

*Threaded Adaptors, Reducers, Unions, Couplers, Blanking Plugs, Insulated Adaptors, Insulated Reducers, Posi Adaptors.

(Above is the full marking that applies to all the devices. Due to limited space on the products, a summarised version may appear on the actual devices.)

Approved for issue on behalf of the IECEx
Certification Body:

Stelios Roubedakis

Position:

Certification Manager

Signature:
(for printed version)

S. Roubedakis

Date:
(for printed version)

2026-01-22

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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Certificate No.: **IECEX CML 16.0062X**

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Date of issue: 2026-01-22

Issue No: 6

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

Manufacturing locations: **CCG Cable Terminations (Pty) 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 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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

[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 equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/CML/ExTR16.0080/00](#)
[GB/CML/ExTR20.0053/00](#)
[GB/CML/ExTR26.0009/00](#)

[GB/CML/ExTR16.0130/00](#)
[GB/CML/ExTR22.0136/00](#)

[GB/CML/ExTR19.0166/00](#)
[GB/CML/ExTR23.0055/00](#)

Quality Assessment Report:

[ZA/ICS/QAR14.0001/11](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Range of Threaded Adaptors, Reducers, Unions, Couplers, Adjustable Elbows, 'T' or 'Y' Adaptors, Swivel Adaptor, Swivel Coupler, Swivel Elbow / 45° Adaptors and Blanking Plugs are designed for inserting into enclosures having threaded entries, as appropriate for the type of protection.

Refer to Certificate Annex for full Description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Certificate Annex for Specific Conditions of Use.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

This issue introduced the following change:

1. To remove a redundant Condition of Manufacture and clarify a Condition of Certification.

Issue 2

This issue introduced the following changes:

1. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, the document previously listed, IEC 60079-0:2011 Ed 6.0, was replaced by IEC 60079-0:2017, Ed 7.
2. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, the document previously listed, IEC 60079-15:2010 Ed 4.0, was replaced by IEC 60079-15:2017, Ed 5.
3. To assess and permit the addition of alternative gasket materials.
4. To allow standard adaptors, reducers, unions and couplers to be alternatively manufactured from aluminium (Group II & III only).
5. The description and specific conditions of use have been updated accordingly to include the aluminium material option and the alternative gasket materials.
6. To allow the products to be manufactured with intermediate metric thread sizes.

Issue 3

This issue introduced the following change:

1. To allow the increase of the maximum Metric thread sizes from M100 to M130.

Issue 4

This issue introduced the following changes:

1. The transfer of the plastic blanking plugs from IECEx ICS 15.0007X to this certificate.
2. To update the certificate format, and where applicable, the description has been updated in accordance with the modifications.
3. To update the coding from Ex tb IIIC Db to Ex ta IIIC Da.
4. To update IEC 60079-7 to the latest edition.
5. To permit changes to the Specific Conditions of Use.
6. To allow the use of the grease for NPT threads to achieve IP68.
7. The addition of an Integral Earth Adaptor.
8. The addition of the RE-FLEx sealing cord.
9. The addition of E.T thread option.
10. To update the certification drawings with minor corrections.

Issue 5

This issue introduced the following changes:

1. The introduction of the Swivel 90°, 'T' and 'Y' Adaptors with the following modifications;
 - a. To update the name of the product from Swivel 90°, 'T' and 'Y' Adaptors to Adjustable Elbow, 'T' and 'Y' Adaptors.
 - b. To update the coding from Ex tb IIIC Db to Ex ta IIIC Da.
 - c. To include ET threads.
 - d. To update EN IEC / IEC 60079-7 to the latest edition.
 - e. To allow the use of the grease for NPT threads to achieve IP68.
 - f. To update the product from a component to equipment.
2. The introduction of the Swivel Adaptor, Swivel Coupler, Swivel Elbow / 45° Adaptors.
3. To update the certificate with the following modifications;
 - a. To update the description as a result of the modifications.
 - b. To permit changes to the conditions of manufacture.
 - c. To permit changes to the specific conditions of use.



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Issue 6

This issue introduced the following changes:

1. Introduction of the Insulated Reducer.
2. Max NPT thread size increased to 5" on NPT to NPT and NPT to Metric or Metric to NPT adaptors and reducers.
3. To increase the number of cores in some sizes of barrier swivel products.
4. To increase the height of some sizes of adjustable elbow.
5. The introduction of an M12 thread option on the stopper plugs.
6. To update the certification drawings with minor corrections.

Annex:

[Certificate Annex IECEx CML 16.0062X Issue 6.pdf](#)



Threaded Couplings/Unions

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Table 5, Couplings - Metric to Metric

Male (Metric) Size	Male (Metric) Size													
	M16	M20	M25	M32	M40	M50	M63	M75	M80	M90	M100	M110	M120	M130
M16	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M20	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M25	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M32	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M40	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M50	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M63	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M75	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M80	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M90	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M100	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M110	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M120	□	□	□	□	□	□	□	□	□	□	□	□	□	□
M130	□	□	□	□	□	□	□	□	□	□	□	□	□	□



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Table 10, Union - Metric to BSP/NPT/NPSM

Female (Metric) Size	Female (BSP/NPT/NPSM) Size									
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
M16	☐☐	☐☐	☐☐	☐☐	☐	☐	☐	☐	☐	☐
M20	☐☐	☐☐	☐☐	☐☐	☐☐	☐	☐	☐	☐	☐
M25	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐	☐	☐	☐
M32	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐	☐	☐
M40	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐	☐
M50	☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐
M63	☐	☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐
M75	☐	☐	☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐
M80	☐	☐	☐	☐	☐☐	☐☐	☐☐	☐☐	☐☐	☐☐
M90	☐	☐	☐	☐	☐	☐☐	☐☐	☐☐	☐☐	☐☐
M100	☐	☐	☐	☐	☐	☐	☐☐	☐☐	☐☐	☐☐
M110	☐	☐	☐	☐	☐	☐	☐	☐☐	☐☐	☐☐
M120	☐	☐	☐	☐	☐	☐	☐	☐	☐☐	☐☐
M130	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐☐



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Insulated Adaptors

Insulated adaptors are used to connect different types of cables and wires. They are designed to provide a secure and reliable connection while maintaining electrical insulation.

Insulated adaptors are available in various sizes and configurations. Common sizes include M16 to M16 or M20 to 1/2" NPT. They are used to connect different types of cables and wires.

Male threads from M16 to M10 are available. They are used to connect different types of cables and wires.

NPT threads from 1/2" to 4"

Insulated adaptors are used to connect different types of cables and wires.

Insulated Reducers

Insulated reducers are used to connect different types of cables and wires. They are designed to provide a secure and reliable connection while maintaining electrical insulation.

Insulated reducers are available in various sizes and configurations. Common sizes include M20 to M10 and M16 to M120. They are used to connect different types of cables and wires.

Male threads from M20 to M10 and female threads from M16 to M120 are available. They are used to connect different types of cables and wires.

NPT male threads from 3/4" to 4" and NPT female threads from 1/2" to 3-1/2"

Insulated reducers are used to connect different types of cables and wires.

Posi Adaptors

Posi adaptors are used to connect different types of cables and wires. They are designed to provide a secure and reliable connection while maintaining electrical insulation.

Posi adaptors are used to connect different types of cables and wires.

Male Thread	Female Thread
M20 to M16	M20 to M16
M20 to M16	M20 to M16
M20 to M16	M20 to M16
M20 to M16	M20 to M16



IECEx certified products are available. They are used to connect different types of cables and wires.



Eurofins E&E CML Limited. They are used to connect different types of cables and wires.



Adjustable Elbow, 'T' and 'Y' Adaptors

The Adjustable Elbow (90°), 'T' and 'Y' Adaptors are manufactured from brass or stainless steel with a male threaded portion at one end. The 90° adaptors have a single female thread, and the 'T' and 'Y' adaptors have two female threads. The 'T' adaptor has 0 threads and the female threads are at 180° to each other. The 'Y' adaptors have their threads spaced 120

0 and can be used in the conventional manner. 'T' and 'Y' adaptors are used where two cable glands or a cable gland

The Adjustable 90°, 'T' and 'Y' adaptors are intended for fitting to a threaded hole for Ex db or Ex eb

The Adjustable 90°, 'T' and 'Y' Adaptors are available with Metric or BSPP male threads and either

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

M20 M2 M2

66 6 6 2 6

Swivel Adaptor, Swivel Coupler, Swivel Elbow / 45° Adaptors



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Specific Conditions of Use

These conditions apply to all products unless otherwise specified in the technical data sheet.

General Conditions

These conditions apply to all products unless otherwise specified in the technical data sheet.

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These conditions apply to all products unless otherwise specified in the technical data sheet.

- D = 60 mm
- D = 100 mm
- D = 160 mm

Conditions for specific products

These conditions apply to all products unless otherwise specified in the technical data sheet.

These conditions apply to all products unless otherwise specified in the technical data sheet.

Thread Size and Form	Tightening torque (Nm)	Thread Size and Form	Tightening torque (Nm)
M16	10	M63 and 2"NPT	110
M20 and 1/2"NPT	10	M75 and 2 1/2"NPT	140
M25 and 3/4"NPT	15	M100	160
M32 and 1"NPT	60	M90 and 3"NPT	140
M40 and 1 1/4"NPT	100	>M90 and >3"NPT	200
M50 and 1 1/2"NPT	100		

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- D = 100 mm

- D = 160 mm



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