



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 19.0047X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2019-06-26)

Status: **Current** Issue No: 1

Date of Issue: 2021-09-29

Applicant: **Hawke International (A Division of Hubbell Limited) (A member of the Hubbell Group of Companies)**
Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA
United Kingdom

Equipment: **A Range of Group I Barrier Type Cable Glands**

Optional accessory:

Type of Protection: **Flameproof "db", Increased Safety "eb"**

Marking: Ex db I Mb
Ex eb I Mb
-60°C to +80°C

Approved for issue on behalf of the IECEx
Certification Body:

D R Stubbings BA MIET

Position:

Technical Director

Signature:
(for printed version)

Date:

2021-09-29

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.
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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: **Hawke International (A Division of Hubbell Limited) (A member of the Hubbell Group of Companies)**
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Additional 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 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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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/ExTR19.0096/00](#)

[GB/CML/ExTR19.0096/01](#)

[GB/CML/ExTR21.0018/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0061/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Each of the following gland types may be manufactured in brass or stainless steel and may be supplied with specified alternative entry thread forms.

Refer to Annex for full description.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Annex for Specific Conditions of Use.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Refer to certification Annex for details of changes.

Annex:

[Certificate Annex IECEx CML 19.0047X Issue 1.pdf](#)

Annexe to: IECEx CML 19.0047X Issue 1

Applicant: Hawke International (A Division of Hubbell Limited) (A member of the Hubbell Group of Companies)

Apparatus: A Range of Group I Barrier Type Cable Glands – 653 UNIV

Description

Each of the following gland types may be manufactured in brass or stainless steel and may be supplied with specified alternative entry thread forms.

The Type 653 Universal Cable Gland is intended for use with a circular armoured, steel basket weave armour or braided (screened) cable and comprises the following components: -

- a. An entry component, in the size range Os to F (M16 to M75)
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A combined compression spigot and armour clamping cone
- e. A reversible armour clamping ring
- f. A middle nut
- g. An outer seal assembly (sleeve seal and support cage)
- h. A back nut

Design options:

1. The usage of an optional rear clamping device to specific cable glands for sizes Os to C2, in this form the gland is designated the letter "R" e.g. 653 UNIV R
2. The gland assemblies as described above are rated for ingress protection IPX8 10m/24 hours and IPX9.

Variation 1

1. Update GA drawings.
2. Clarify the Ingress Protections IP ratings.
3. To review and update the cable glands against the latest standard.
4. To permit the update to gland sizes.
5. Update the marking.
6. To revise the product description.
7. To revise the specific conditions of use.

Conditions of Manufacture

None

Specific Conditions of Use

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

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- i. When the gland is used for increased safety, the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure. Not applicable when Hawke IP seal is used.

Components covered by Ex Certificates issued to older editions of Standards

None