



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx CML 19.0048X

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-06-04\)](#)

Status: **Current**

Page 1 of 3

Date of Issue: **2019-06-04**

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

Equipment: **A Range of Barrier Type Cable Gland**

Optional accessory:

Type of Protection: **Flameproof, Increased Safety, Dust**

Marking:

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db

IP 66/67/69

-60°C to 80°C

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

A C Smith

Position:

Technical Operations Director

*Signature:
(for printed version)*

Date:

2019-06-04

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 the [Official IECEx Website](#).

Certificate issued by:

Certification Management Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Page 2 of 3

Manufacturer: **Hawke International (A Division of Hubbell Limited) (A member of the Hubbell Group of Companies)**
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OL7 0NA
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Additional Manufacturing location(s):

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 apparatus 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 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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 Report:

[GB/CML/ExTR19.0096/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0061/07](#)



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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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

Refer to Certification Annex for full equipment description.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. These glands are suitable for use within an operating temperature range of -60°C to +80°C.
2. 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 66/67/69 seal is used.

Annex:

[Certificate Annex IECEx CML 19.0048X Issue 0.pdf](#)

Annexe to: IECEx CML 19.0048X Issue 0

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

Apparatus: A Range of Barrier Type Cable Gland



Description:

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

The Type CSB 656N Compound Stopper Gland is intended for use with a number of conductors enclosed within a conduit, or retained by a separate cable gland and comprises the following components: -

- a. An entry component in the size range A to F (M20 to M75)
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A compression assembly comprising a compression spigot with a female thread at the rear
- e. A dedicated back nut

Design options:

1. The use of a 3M cold Shrink tubing to be fitted to the outer sheath of specific non-circular cables as specified in the drawing 320000 and fitted into 'Os', 'O' and 'A' size of the CSB 656N barrier glands, to ensure that the IP sealing arrangement utilising the cable shrink tube assembly does not affect the assigned IP rating of the glands. The selection of the relevant cable gland to meet the protection concept for the cable and the enclosure it is fitted onto as detailed in EN 60079-14:2014 is unaffected

Conditions of manufacture:

None

