EU Type Examination Certificate CML 19ATEX1170X Issue 1

1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

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

3 Manufacturer **Hawke International (A Division of Hubbell Limited) (A member of the Hubbell Group of Companies)**

4 Address Oxford Street West,
Ashton-under-Lyne,
Lancashire,OL7 0NA
United Kingdom

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

6 CML B.V., Chamber of Commerce No 6738671, 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 equipment 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 If an 'X' suffix appears after the certificate number, it indicates that the equipment 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 60079-1:2014 EN IEC 60079-7:2015 +A1:2018

EN 60079-31:2014

10 The equipment shall be marked with the following:

II 2 G D

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db

IP 66/67/X8/X9

-60°C to +80°C

11 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 Conduit Stopping Gland is intended for use with a number of conductors enclosed within a conduit or retained by a separate cable gland. The gland type is rated for ingress IP66. It 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 is unaffected.
2. The gland assemblies as described above are rated for ingress protection IP66, 67, and IPX8 at 10m for 24 hours.

Variation 1

1. Update GA drawings.
2. Clarify the Ingress Protection 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.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	04 June 2019	R11908A/00	The issue of the prime certification.
1	29 Sept 2021	R13593A/00	The introduction of variation 1. (UKEX)

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

13 Conditions of Manufacture

None

14 Specific Conditions of Use (Special Conditions)

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

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.

Certificate Annex

Certificate Number	**CML 19ATEX1170X Issue 1**
Equipment	**A Range of Barrier Type Cable Gland**
Manufacturer	**Hawke International (A Division of Hubbell Limited) (A member of the Hubbell Group of Companies)**

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

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
CSB 656N	1 of 1	A	04/06/2019	General Arrangement for CSB 656N Gland

Issue 1

	Drawing No.	Sheets	Rev	Approved /issued date	Title
01	320041	1 of 1	A	28-09-2021	Schedule drawing CSB 656 N
a	320031* - ** - ***	1 of 1	A	28-09-2021	ALT Compound chamber entry
b	320032* - ** - ***	1 of 1	A	28-09-2021	ALT Compound chamber
c	320023** - *** - ****	1 of 1	A	28-09-2021	Tail nut
d	320039** - ***	1 of 1	A	28-09-2021	Conduit gland body
e	320011* - *** - ****	1 of 1	A	28-09-2021	Thread form

*These drawings are common to:
CML 18ATEX1268X and IECEx CML 18.0131X
CML 19ATEX1169X and IECEx CML 19.0047X

**These drawings are common to:
CML 19ATEX4507X and IECEx CML 21.0012X

***These drawings are common to:
CML 19ATEX1167X and IECEx CML 19.0045X

****These drawings are common to:

CML19ATEX3164X and IECEx CML 19.0042X