



EC - TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC

- 3 EC - Type Examination Certificate Number: **Baseefa06ATEX0058X**
- 4 Equipment or Protective System: **A Range of Barrier Type Cable Glands**
- 5 Manufacturer: **Hawke International**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**
- 7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa (2001) Ltd., Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR 06.0013/00**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN60079-0: 2004, EN60079-1: 2004, EN60079-7: 2003 + Amendment 1, IEC61241-0: 2004, IEC61241-1: 2004
except in respect of those requirements listed at item 18 of the Schedule.
- 10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- 12 The marking of the equipment or protective system shall include the following :

⊕ II 2GD Ex d IIC Ex e II Ex tD A21 IP66 (-60°C ≤ ta ≤ +80°C)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **0500**

Project File No. **04/0383**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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Baseefa is a trading name of Baseefa (2001) Ltd
Registered in England No. 4305578 at the above address

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.

13

Schedule

14

Certificate Number Baseefa06ATEX0058X

15 Description of Equipment or Protective System

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.

Variant 0.1 TYPE ICG 623 CABLE GLAND

The Type ICG 623 Cable Gland is intended for use with a circular unarmoured cable and comprises the following components:-

- a. An entry component, in the size range Os to F (M20 to M75)
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A compression spigot
- e. A middle nut
- f. A sealing ring
- g. A second compression spigot
- h. A back nut

Variant 0.2 TYPE ICG 653 UNIV CABLE GLAND

The Type ICG 653 Universal Cable Gland is intended for use with a circular armoured or braided cable and comprises the following components:-

- a. An entry component, in the size range Os to F (M20 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 ring)
- h. A back nut
- i. An optional earth continuity device for use with metallic sheathed cables

Variant 0.3 TYPE ICG 653 CABLE GLAND

The Type ICG 653 Cable Gland is intended for use with a circular armoured or braided 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 dedicated armour, or braid, clamping ring
- f. A middle nut
- g. An outer seal assembly (sleeve seal and support ring)
- h. A back nut
- i. An optional earth continuity device for use with metallic sheathed cables

Variant 0.4 TYPE CSB 656 COMPOUND STOPPER GLAND

The Type CSB 656 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

Variant 0.5 TYPE ICG 659 FLEXIBLE CONDUIT CABLE GLAND

The Type ICG 653 Cable Gland is intended for use with a number of conductors enclosed within a flexible conduit and comprises the following components:-

- a. An entry component, in the size range M20 to M63
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A combined compression spigot and conduit grounding ferrule
- e. An outer clamping ring cup
- f. An elastomeric clamping ring
- g. A back nut

Variant 0.6 TYPE ICG 611 CABLE GLAND

The Type ICG 611 Cable Gland is intended for use with a circular metalclad jacketed cable 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 spigot comprising:-
 - i. A locating spigot
 - ii. A collapsible metallic cladding clamp
 - iii. A compression ring
- e. A middle nut
- f. An outer seal assembly (sleeve seal and support ring)
- h. A back nut

16 Report Number

Baseefa Certification Report GB/BAS/ExTR 06.0013/00

17 Special Conditions for Safe Use

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

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.



19 Drawings and Documents

Number	Issue	Date	Description
ICG 623	F	03/10/05	G. A., Type ICG 623 Cable Gland
ICG 653 UNIVERSAL	F	03/10/05	G. A., Type ICG 653 UNIV Cable Gland
ICG 653 Dedicated	F	03/10/05	G. A., Type 501/653 Cable Gland (Os to F)
CSB 656	F	03/10/05	G. A., Type CSB 656 Compound Stopper Gland (Os to F)
ICG 659	F	03/10/05	G. A., Type ICG 659 Flexible Conduit Cable Gland
ICG 611	F	03/10/05	G. A., Type ICG 611 Cable Gland

These drawings are common to BAS IECEx 05.0015X and are controlled on and held with GB/BAS/ExTR 06.0013/00



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 94/9/EC

3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/1**

4 Equipment or Protective System: **A Range of Barrier Type Cable Glands**

5 Manufacturer: **Hawke International**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa06ATEX0058X** to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **0500**

Project File No. **07/0055**

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Certificate Number Baseefa06ATEX0058X/1

15

Description of the variation to the Equipment or Protective System

Variation 1.1

To allow the use of an alternative entry component and rear compression nut on the Type ICG 623 Cable Gland intended for use with unarmoured cable and comprises the following components:

- a. An alternative entry component, in the size range Os to F (M16 to M75)
- b. A compound pot
- c. A spigot
- d. An alternative body nut sizes Os to F
- e. An alternative rear compression nut in size range Os to F

The alternative rear compression nut can be readily interchanged with the existing certified components:-

Variation 1.2

To allow the use of an alternative entry component, and alternative spigot (body CSB) and integral rear compression nut on the Type CSB656 Conduit Stopping Gland intended for use with circular unarmoured cable enclosed within a conduit and comprises the following components:

- a. An alternative entry component, in the size range O to F (M16 to M75)
- b. A compound pot
- c. An alternative spigot with a female thread at the rear (body CSB) and integral alternative rear compression nut.

In this form the gland is designated a CSB 656N Conduit Stopping Gland nut

16 Report Number

Baseefa Certification Report GB/BAS/ExTR 07.0019/00

17 Special Conditions for Safe Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
ICG 623	G	22/01/07	G. A., Type ICG 623 Cable Gland
CSB 656N	G	22/01/07	G. A., Type CSB 656N Cable Gland

These Drawings are common to IECEx BAS 06.0015X and are held with that certificate



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/2**

4 Equipment or Protective System: **A Range of Barrier Type Cable Glands**

5 Manufacturer: **Hawke International**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0058X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

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Baseefa Customer Reference No. 0500

Project File No. 07/0768

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Registered in England No. 4305578. Registered address as above.

A handwritten signature in black ink, appearing to read "R S Sinclair".
R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa06ATEX0058X/2

15 Description of the variation to the Equipment or Protective System

Variation 2.1

TYPE ICG 653 GLAND Sizes Os to F

To allow the introduction of alternative dedicated armour clamping rings 3259 and 3260 together with the use of alternative middle nut 3257 and entry component 3251.

Variation 2.2

TYPE ICG 653 UNIVERSAL GLAND

To allow the use of a modified 3041 RAC clamping ring on the gland sizes O and A, also to allow the use of the alternative middle nut 3257 and entry component 3251 on glands sizes Os to F.

Variation 2.3

TYPE ICG 611 GLAND

To allow the use of the alternative middle nut 3257 and entry component 3251 on glands sizes A to F.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR08.0170/00

17 Special Conditions for Safe Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
ICG 653 Dedicated	G	14/09/07	G A Type ICG 653 Dedicated Cable Gland
ICG 653 Universal	G	14/09/07	G A Type ICG 653 Universal Cable Gland
ICG 611	G	22/06/08	GA ICG 611 Cable Gland

These drawings are common to IECEx BAS 06.0015X and are held with that certificate.



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/3**
- 4 Equipment or Protective System: **Range of Barrier Type Cable Glands**
- 5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0058X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

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Baseefa Customer Reference No. **0500**

Project File No. **09/0881**

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PP R S SINCLAIR 
DIRECTOR
On behalf of
Baseefa

Re-issued 15th September 2010 to replace original



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Certificate Number Baseefa06ATEX0058X/3

15 Description of the variation to the Equipment or Protective System

Variant 1.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-1: 2007 in respect of the differences from the standards to which this certificate was issued; none of these differences affect this equipment.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR09.0246/00

17 Special Conditions for Safe Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
CSB 656	G	10/12/09	CSB 656 Gland -GA Drawing
CSB 656N	H	10/12/09	CSB 656N Gland -GA Drawing
ICG 611	H	10/12/09	ICG 611 Gland- GA Drawing
ICG 623	H	10/12/09	ICG 623 Gland- GA Drawing
ICG 653	H	10/12/09	ICG 653 Gland- GA Drawing
ICG 653 Universal	H	10/12/09	ICG 653 Universal Gland- GA Drawing
ICG 659	H	10/12/09	Compound Barrier Gland for Kopex Flexible Conduit

The above drawings are common to, and held with, IECEx BAS 06.0015X



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/4**
- 4 Equipment or Protective System: **Range of Barrier Type Cable Glands**
- 5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0058X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

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Baseefa Customer Reference No. **0500**

Project File No. **09/0337**

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R S SINCLAIR M. FOWNEY
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa06ATEX0058X/4

15 **Description of the variation to the Equipment or Protective System**

Variant 4.1

To allow the introduction of an alternative material for the compound, pot part number 3086 sizes Os to F, of the barrier glands.

16 **Report Number**

Baseefa Certification Report GB/BAS/ExTR10.0091/00

17 **Special Conditions for Safe Use**

None additional to those listed previously

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

None



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/5**

4 Equipment or Protective System: **Range of Barrier Type Cable Glands**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0058X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

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Baseefa Customer Reference No. **0500**

Project File No. **09/0338 and 10/0100**

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A handwritten signature in blue ink, appearing to read "R S Sinclair".

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

re-issued 26th August to correct standards



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Schedule

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Certificate Number Baseefa06ATEX0058X/5

15 Description of the variation to the Equipment or Protective System

Variant 5.1

To allow the introduction of an alternative backnut seal assembly. In addition the glands are considered to comply with the following standards and may be marked accordingly.

EN 60079-0: 2009, EN 60079-1: 2007, EN 60079-7: 2007, and EN 60079-31: 2009.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR10.0287/00 held with IEC Ex BAS06.0013X

17 Special Conditions for Safe Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
ICG623	J	30/06/10	General Arrangement ICG 623 Gland
ICG653 UNIV	J	07/07/10	General arrangement ICG 653 Universal Gland
ICG 653 Dedicated	J	07/07/10	General arrangement ICG 653 Dedicated Gland
ICG659	J	30/06/10	Compound Barrier gland for Kopex Flexible Conduit
ICG611	J	07/07/10	General arrangement ICG 611 Gland
CSB 656	H	30/06/10	General Arrangement for CSB 656 Gland
CSB 656N	J	30/06/10	General Arrangement for CSB 656N Gland

These drawings are common to and are held with IECEx BAS06.0015X.



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/6**

4 Equipment or Protective System: **Range of Barrier Type Cable Glands**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0058X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

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Baseefa Customer Reference No. **0500**

Project File No. **11/0741 and 11/0943**

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R S SINCLAIR 
DIRECTOR
On behalf of
Baseefa



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Certificate Number Baseefa06ATEX0058X/6

15 Description of the variation to the Equipment or Protective System

Variant 6.1

To allow the replacement of the 7° armour clamping components with 5° armour clamping components on gland sizes Os, O and A.

Variant 6.2

The introduction of a range of dedicated reversible armour clamping rings in this form the UNIV stamping will be followed by DED and W, X, Y or Z to indicate the type of armour that may be fitted.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR 11.0274/00 held with IECEx BAS 06.0013X

17 Special Conditions for Safe Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
ICG 623	K	16/08/11	General arrangement ICG 623 Gland
ICG653 UNIV	K	16/08/11	General arrangement ICG 653 Universal Gland
ICG653DED	K	16/08/11	General arrangement ICG 653 DED Gland
CSB 656	J	16/08/11	General arrangement CSB 656 Conduit Stopper Box
CSB 656N	K	30/06/10	General arrangement ICG 656N Conduit stopper Box

These drawings are common to and held with IECEx BAS06.0015X.

1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/7**
- 4 Equipment or Protective System: **Range of Barrier Type Cable Glands**
- 5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA.**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa06ATEX0058X** to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0500**

Project File No. **12/0670**

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P R S SINCLAIR
GENERAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa06ATEX0058X/7**

15 **Description of the variation to the Equipment or Protective System**

Variation 7.1

To permit an increase in the maximum number of conductors approved for use with the potting compound material identified as 'HawkeSeal Compound' on the following barrier glands:-

TYPE ICG 659 CABLE GLAND – Sizes 16 / 3/8", 20 / 1/2" and 25 / 3/4" only.

TYPE CSB 656 CABLE GLAND – Sizes A and B only.

TYPE CSB 656N CABLE GLAND – Sizes A and B only.

TYPE ICG 611 CABLE GLAND – Sizes A and B only.

TYPE ICG 623 CABLE GLAND – Sizes Os to B only.

TYPE ICG 653 DEDICATED CABLE GLAND – Sizes Os to B only.

TYPE ICG 653 UNIVERSAL CABLE GLAND – Sizes Os to B only.

Variation 7.2

To permit the introduction of an alternative potting compound material identified as 'HawkeSeal 2 Compound' on the following barrier glands:-

TYPE ICG 659 CABLE GLAND – All sizes

TYPE CSB 656 CABLE GLAND – All sizes

TYPE CSB 656N CABLE GLAND – All sizes

TYPE ICG 611 CABLE GLAND – All sizes

TYPE ICG 623 CABLE GLAND – All sizes

TYPE ICG 653 DEDICATED CABLE GLAND – All sizes

TYPE ICG 653 UNIVERSAL CABLE GLAND – All sizes

Variation 7.3

To permit the introduction of an alternative potting compound material identified as 'Hawke QSP Compound' on the following barrier glands:-

TYPE ICG 659 CABLE GLAND – Sizes 16 / 3/8" to 50 / 1 1/2" only.

TYPE CSB 656 CABLE GLAND – Sizes A to D only.

TYPE CSB 656N CABLE GLAND – Sizes A to D only.

TYPE ICG 611 CABLE GLAND – Sizes A to D only.

TYPE ICG 623 CABLE GLAND – Sizes Os to D only.

TYPE ICG 653 DEDICATED CABLE GLAND – Sizes Os to D only.

TYPE ICG 653 UNIVERSAL CABLE GLAND – Sizes Os to D only.

Variation 7.4

To confirm that the Type ICG 653 UNIVERSAL cable gland may be used with unarmoured cables provided that all of the armour clamping parts remain inside the cable gland.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR13.0146/00

17 Specific Conditions of Use

None additional to those listed previously.

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
ICG 659	K	12/08/13	Compound Barrier Gland for KOPEX Flexible Conduit.
CSB 656	K	12/08/13	General Arrangement for CSB 656 Gland.
CSB 656N	L	12/08/13	General Arrangement for CSB 656N Gland.
ICG 611	K	12/08/13	General Arrangement for ICG 611 Gland.
ICG 623	L	12/08/13	General Arrangement for ICG 623 Gland.
ICG 653 DEDICATED	L	12/08/13	General Arrangement for ICG 653 Dedicated Gland.
ICG 653 UNIVERSAL	L	12/08/13	General Arrangement for ICG 653 Universal Gland.

These drawings are common to, and held with, IECEX BAS 06.0015X

1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/8**
- 4 Equipment or Protective System: **Range of Barrier Type Cable Glands**
- 5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA.**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa06ATEX0058X** to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0500**

Project File No. **13/0742**

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R S SINCLAIR
GENERAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa06ATEX0058X/8

15 Description of the variation to the Equipment or Protective System

Variation 8.1 TYPE ICG 653 UNIVERSAL P CABLE GLANDS.

The introduction of a new variant Type ICG 653 Universal P Cable Gland intended for use with a circular armoured or braided cable and comprises the following components:-

- a. An entry component, in the size range Os to F (M20 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 ring)
- h. A back nut
- i. An optional earth continuity device for use with metallic sheathed cables

16 Report Number

Baseefa Certification Report GB/BAS/ExTR13.0205/00

17 Specific Conditions of Use

None additional to those listed previously.

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
ICG 653 UNIVERSAL P	A	03/09/13	General Arrangement for ICG 653 Universal P Gland

These drawings are common to and held with IECEx BAS 06.0015X

1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/9**

4 Equipment or Protective System: **A Range of Barrier Type Cable Glands**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)
(A Member of the Hubbell Group of Companies)**

6 Address: **Oxford Street West, Ashton-Under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0058X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 Item 9 of the original Certificate is replaced by “Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 EN 60079-1:2014 EN 60079-7:2007 EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.”

9 The marking of the equipment has not changed from the original Certificate.

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0500**

Project File No. **14/0889**

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R S Sinclair

R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

M Downey

13

Schedule

14

Certificate Number Baseefa06ATEX0058X/9

15 **Description of the variation to the Equipment or Protective System**

Variation 9.1

The range of barrier type glands as listed on the certificate are considered to comply with the latest standards: EN 60079-0:2012, EN 60079-1:2014, EN 60079-7:2007 and EN 60079-31:2014.

16 **Report Number**

SGS Baseefa Report Number GB/BAS/ExTR14.0367/00 held with IECEx BAS 06.0013X.

17 **Specific Conditions of Use**

None additional to those listed previously

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

None

1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0058X/10**

4 Equipment or Protective System: **A Range of Barrier Type Cable Glands**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)
(A Member of the Hubbell Group of Companies)**

6 Address: **Oxford Street West, Ashton-Under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0058X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 Item 9 of the original Certificate is replaced by “Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-7:2015 EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.”

9 The marking of the equipment has changed from the original Certificate and shall include the following:

**Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
(-60°C ≤ ta ≤ +80°C)**

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0500**

Project File No. **15/0276**

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AP M. Sinclair
R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa06ATEX0058X/10

15 Description of the variation to the Equipment or Protective System

Variation 10.1

To allow the introduction of an optional rear clamping device to the Type ICG 611 for sizes Os to C2, in this form the gland is designated the letter "R" e.g. ICG 611 R

Variation 10.2

The range of barrier type glands as listed on the certificate are considered to comply with the latest editions of the standards: EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-7:2015 and EN 60079-31:2014

16 Report Number

GB/BAS/ExTR15.0200/00

17 Specific Conditions of Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
ICG623	1 OF 1	M	18/08/15	GENERAL ARRANGEMENT FOR 623 GLAND
ICG 653 UNIVERSAL	1 OF 1	M	18/08/15	GENERAL ARRANGEMENT FOR ICG 653 UNIVERSAL GLAND
ICG 653 UNIVERSAL P	1 OF 1	B	18/08/15	GENERAL ARRANGEMENT FOR ICG UNIVERSAL P GLAND
ICG 653 Dedicated	1 OF 1	M	12/08/15	GENERAL ARRANEGMENT FOR ICG 653 DEDICATED GLAND
CSB 656	1 OF 1	L	18/08/15	GENERAL ARRANGEMENT FOR CSB GLAND.
CSB 656N	1 OF 1	M	18/08/15	GENERAL ARRANGEMENT FOR CSB 656N GLAND
ICG 659	1 OF 1	L	18/08/13	COMPOUND BARRIER GLAND FOR KOPEX FLEXIBLE CONDUIT
ICG 611	1 OF 1	L	20/07/15	GENERAL ARRANGEMENT FOR ICG 611 GLAND

These drawings are common to IECEx BAS 06.0015X, Baseefa06ATEX0058X and are held with the IECEx BAS 06.0014X.

1 **SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 Supplementary EU - Type **Baseefa06ATEX0058X/11**
Examination Certificate Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016

4 Product: **A Range of Barrier Type Cable Glands**

5 Manufacturer: **Hawke International (A Division of Hubble Limited)
(A member of the Hubble group of companies)**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa06ATEX0058X** to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

SGS Baseefa Customer Reference No. **0500**

Project File No. **15/0738**

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A handwritten signature in dark ink, appearing to read 'R S Sinclair', with a second signature 'M BOWNEY' written below it.

R S SINCLAIR
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa06ATEX0058X/11**

15 **Description of the variation to the Product**

Variation 11.1

To allow 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 below and fitted into 'Os', 'O' and 'A' size of the ICG 653 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 too as detailed in EN 60079-14: 2014 is unaffected.

Variation 11.2

To allow clarification of drawing to show optional rear clamping device for the ICG 653 Universal gland for sizes Os to C2.

16 **Report Number**

SGS Baseefa Report Number: - GB/BAS/ExTR16.0251/00

17 **Specific Conditions of Use**

None additional to those listed previously

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
320000	1	A	18/07/2016	8420 Cold Shrink Tubing
*ICG 653 UNIVERSAL	1	N	07/07/2016	GENERAL ARRANGEMENT FOR ICG 653 UNIVERSAL GLAND

This drawing is common to this certificate and Baseefa06ATEX0057X, Baseefa06ATEX0056X, IECEX BAS 06.0015X, IECEX BAS 06.0014X and held with IECEX BAS 06.0013X.

*This drawing is common to this certificate and held with IECEX BAS 06.0015X.

1 **SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 Supplementary EU - Type Examination Certificate Number: **Baseefa06ATEX0058X/12**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **A Range of Barrier Type Cable Glands**

5 Manufacturer: **Hawke International (A Division of Hubble Limited)
(A member of the Hubble group of companies)**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa06ATEX0058X** to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

SGS Baseefa Customer Reference No. **0500**

Project File No. **16/0815**

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Re-issued 17 January 2018 to replace original


R S SINCLAIR
TECHNICAL MANAGER

PP. A. BELLMAN
Certification
Manager

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa06ATEX0058X/12

15 Description of the variation to the Product

Variation 12.1

Introduction of new middle nut to create a gland of hybrid sizes i.e. (with reduced size back seal).

16 Report Number

SGS Baseefa Report Number: - GB/BAS/ExTR 16.0315/00.

17 Specific Conditions of Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
ICG 653 Universal	1 of 2	O	27/10/2016	General Arrangement for ICG 653 Universal Gland & Hybrid

This drawing is common to Baseefa06ATEX0058X and IECEx BAS 06.0015X and held with the latter.

1 SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE

**2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 Supplementary EU - Type Examination Certificate Number: **Baseefa06ATEX0058X/13**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016

4 Product: **A Range of Barrier Type Cable Glands**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)
(A Member of the Hubbell Group of Companies)**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa06ATEX0058X** to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

SGS Baseefa Customer Reference No. **0500**

Project File No. **17/0602**

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Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

A handwritten signature in blue ink, appearing to read 'R S Sinclair'.

R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa06ATEX0058X/13

15 Description of the variation to the Product

Variation 13.1

To cancel the compound material code QSP from the cable gland marking string together with subsequent changes to number of conductors which may be fitted such they are common to all compounds .

16 Report Number

SGS Baseefa Report Number: - GB/BAS/ExTR17.0255/00

17 Specific Conditions of Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
CSB 656	1	M	30/08/17	General Arrangement CSB 656
CSB 656N	1	N	30/08/17	General Arrangement CSB 656N
ICG 611	1	M	30/08/17	General Arrangement ICG 611
ICG 623	1	N	30/08/17	General Arrangement ICG 623
ICG 653 Dedicated	1	N	30/08/17	General Arrangement ICG 653
ICG 653 Universal	1	C	30/08/17	General Arrangement ICG 653 Universal P Gland
ICG 653 Universal	1 of 2	P	30/08/17	General Arrangement ICG 653 Universal Gland & Hybrid

These drawings are common to this certificate and are held with IECEx BAS 06.0015X.