



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 BAS 06.0014X issue No.:11

Status: Current

Date of Issue: 2016-09-08 Page 1 of 4

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

Certificate history:
Issue No. 11 (2016-9-8)
Issue No. 10 (2016-5-12)
Issue No. 9 (2015-10-8)
Issue No. 8 (2015-1-7)
Issue No. 7 (2012-3-14)
Issue No. 6 (2011-8-19)
Issue No. 5 (2011-6-21)
Issue No. 4 (2010-1-8)
Issue No. 3 (2009-9-17)
Issue No. 2 (2008-9-30)
Issue No. 1 (2008-5-28)
Issue No. 0 (2006-8-7)

Equipment: Type 501/453UNIV Cable Glands
Optional accessory:

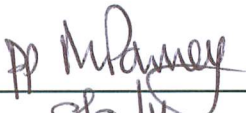
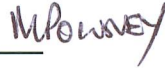
Type of Protection: Ex db, Ex eb, Ex tb, ExnR

Marking: Ex db IIC Gb
Ex eb IIC Gb
Ex nR IIC Gc
Ex tb IIIC Db IP66
(- 60°C ≤ ta ≤ + 80°C)

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Technical Manager

Signature:
(for printed version)


8/9/16 

Date:

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](http://www.iecex.com).

Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 06.0014X

Date of Issue: 2016-09-08

Issue No.: 11

Page 2 of 4

Manufacturer: **Hawke International**
A Division of Hubbell Ltd.
A member of the Hubbell Group of Companies
Oxford Street West
Ashton-under-Lyne
Lancashire
OL7 0NA
United Kingdom

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 electrical 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition: 7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
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/BAS/ExTR06.0012/00
GB/BAS/ExTR09.0164/00
GB/BAS/ExTR11.0199/00
GB/BAS/ExTR15.0200/00

GB/BAS/ExTR08.0114/00
GB/BAS/ExTR09.0247/00
GB/BAS/ExTR11.0274/00
GB/BAS/ExTR16.0251/00

GB/BAS/ExTR08.0172/00
GB/BAS/ExTR10.0287/00
GB/BAS/ExTR14.0367/00

Quality Assessment Report:

GB/BAS/QAR06.0061/05



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 06.0014X

Date of Issue: 2016-09-08

Issue No.: 11

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type 501/453 Universal Cable Gland may be manufactured in brass, stainless steel or aluminium and is intended for use with an effectively filled and 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. A combined silicone inner seal, polymer support ring and metallic armour clamping cone.
- c. A reversible armour clamping ring.
- d. A middle nut.
- e. An outer seal assembly (sleeve seal and support ring).
- f. A back nut.
- g. An optional earth continuity device for use with metallic inner sheathed cables

These glands may be supplied with specified alternative entry thread forms

CONDITIONS OF CERTIFICATION: YES as shown below:

1. These glands are suitable for use within an operating temperature range of -60°C to $+80^{\circ}\text{C}$.
2. When the gland is used for increased safety or dust protection, the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure
3. Glands for use with conduit, unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting (does not apply to variation 9.1).



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 06.0014X

Date of Issue: 2016-09-08

Issue No.: 11

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

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 drawings, and fitted into 'Os', 'O' and 'A' size of the 501/453 Universal cable 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 IEC 60079-14: 2014 is unaffected

ExTR: GB/BAS/ExTR16.0251/00

File Reference: 15/0738