



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

Certificate No.: IECEx BAS 11.0072U issue No.:2

Status: Current

Certificate history:  
Issue No. 2 (2016-3-18)  
Issue No. 1 (2013-2-4)  
Issue No. 0 (2011-11-7)

Date of Issue: 2016-03-18 Page 1 of 4

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

Electrical Apparatus: **Male to Male and Female to Female Adaptors Type 479 and 480**  
*Optional accessory:*


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

Marking: **Ex db IIC Gb  
Ex eb IIC Gb  
Ex tb IIC Db  
(-60°C to +200°C)**

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

Position: Technical Manager

Signature:  
(for printed version)

  
\_\_\_\_\_  
22/3/16

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





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Page 2 of 4

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Oxford Street West  
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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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition: 7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2015</b> 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/ExTR11.0167/00

GB/BAS/ExTR13.0024/00

GB/BAS/ExTR15.0230/00

#### Quality Assessment Report:

GB/BAS/QAR06.0061/05



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Certificate No.: IECEx BAS 11.0072U

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Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Type 479 and Type 480 Adaptors have thread sizes ranging from M16 to M75 and are intended for the inline connection to suitable enclosure or fittings having male or female threads for flameproof applications. For increased safety and dust protection the holes in the equipment may be plain.

The adaptors are manufactured from hexagonal brass, steel or stainless steel tube and are machined to accept either two male coaxial external threads separated by an external hexagon section to form a Type 479 Adapter, or two female coaxial threads to form a Type 480 Adapter. The thread forms may be of the same thread type and size or one of the threads may be one thread size larger.

The threads may be metric or NPT or other equivalent parallel thread forms as detailed on the drawings.

### Schedule of Limitations

1. This component must not be used with a certified piece of equipment unless the certificate for the equipment specifically includes for its use.
2. The overall cross sectional area of the conductors must not exceed 40% of the cross sectional area of the bore of the fitting when three or more none sheathed, insulated, single or multi-core conductors pass through the fitting unless tested and specified.

### CONDITIONS OF CERTIFICATION: NO



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Page 4 of 4

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

### Variation 2.1

To allow the update of the Male to Male and Female to Female Adaptors Type 479 and 480 as listed on the certificate IECEx BAS 11.0072U to comply with the latest edition of the following standards : IEC 60079-0:2011 Edition 6, IEC 60079-1:2014 Edition 7, IEC 60079-7:2015-06 Edition 5, IEC 60079-31:2013 Edition 2.

This includes an update to the markings as listed below:

Ex db IIC Gb  
Ex eb IIC Gb  
Ex tb IIIC Db  
(-60°C to +200°C)

### Variation 2.2

To allow the minor dimensional changes to the Female to Female adaptor.

ExTR: GB/BAS/ExTR15.0230/00

File Reference: 15/0098