



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **Baseefa12ATEX0207X**

4 Equipment or Protective System: **A Range of Insulated Adaptors.**

5 Manufacturer: **Hawke International, A Division of Hubble Limited.**

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, 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 12.0256/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012      EN 60079-1:2007      EN 60079-7:2007      EN60079-31:2009**

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 :

⊕ I M2 Ex d I Mb Ex e I Mb (-\*°C to +\*°C or +\*°C) IP66 (\* see schedule)

⊕ II 2G Ex d IIC Gb Ex e IIC Gb (-\*°C to +\*°C or +\*°C) IP66 (\* see schedule)

⊕ II 2D Ex tb IIIC Db

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

Baseefa Customer Reference No. **0500**

Project File No. **11/0671**

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

**R S SINCLAIR**  
DIRECTOR  
On behalf of  
Baseefa

**Baseefa**

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Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.



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## Schedule

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Certificate Number Baseefa12ATEX0207X

### 15 Description of Equipment or Protective System

A range of Insulated Adaptors consisting of three separate (two metallic and one polymeric) threaded parts which are screwed together to form an adaptor assembly. The interface between the three parts forms two threaded flame paths and the three parts of the assembly are permanently bonded together. The metallic parts may be produced in steel, stainless steel, brass or aluminium alloy. The polymeric part may be produced in one of two polymeric materials (A or B). The adaptors range in size from M20 to M75 (male and female) with NPT, ET, PG, NPSM – BSPP and BStr equivalent sizes.

Type Designation	Ambient Temperature Range		Equipment Group	
	Polymer A	Polymer B	Group I	Group II
478	-55°C to +90°C	-55°C to +95°C	Yes	Yes
478LT	-60°C to +90°C	-60°C to +95°C	No	Yes

### 16 Report Number

Baseefa Certification Report GB/BAS/ExTR 12.0256/00

### 17 Specific Conditions of Use

- When the Insulated Adaptors are used for Flameproof, Increased Safety or Dust Protection, the entry of the enclosure and the female threads of the Insulated Adaptor are to be suitably sealed (in accordance with EN 60079-14) to maintain the Ingress Protection rating of the associated enclosure.
- When the Insulated Adaptors are used for Increased Safety or Dust Protection in a plain hole, the hole in the enclosure must be no greater than 0.7mm bigger than the male thread and the Insulated Adaptor must be secured with a locknut, the female threads of the Adaptor or Reducer are to be suitably sealed (in accordance with EN 60079-14) to maintain the Ingress Protection rating of the associated enclosure.
- The Insulated Adaptors, when used in flameproof applications, must not be closed with a flameproof stopping plug.
- The size A 478 Insulated Adaptor is limited to use in Group I applications to low impact installations.
- The aluminium variant of type 478 adaptor is to be marked for Group II only.

### 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	Sheet	Issue	Date	Description
478	3	B	26/09/12	Insulated Adaptors
478LT	3	A	26/09/12	Insulated Adaptors

These drawings are common to, and are held on, IECEx BAS 12.0111X

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: **Baseefa12ATEX0207X/1**

4 Equipment or Protective System: **478 & 478LT Insulated Adaptor**

5 Manufacturer: **Hawke International  
A Division of Hubble Limited**

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

7 This supplementary certificate extends EC – Type Examination Certificate No Baseefa12ATEX0207X/1 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. **15/0629**

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R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa12ATEX0207X/1**

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

**Variation 1.1**

Clarification of the to the specific conditions of use, Note 4 to read “The size A, B and C 478 Insulated adaptor is limited to use in Group I application to low impact installations”

**Variation 1.2**

Amendment to drawings 478 and 478LT to add 20mm length of thread

**Variation 1.3**

Minor drawing changes to 478 and 478LT which do not affect certification

16 **Report Number**

GB/BAS/ExTR15.0268/00

17 **Specific Conditions of Use**

1. When the Insulated Adaptors are used for Flameproof, Increased Safety or Dust Protection, the entry of the enclosure and the female threads of the Insulated Adaptor are to be suitably sealed (in accordance with IEC 60079-14) to maintain the Ingress Protection rating of the associated enclosure.
2. When the Insulated Adaptors are used for Increased Safety or Dust Protection in a plain hole, in hole in the enclosure must be no greater than 0.7mm bigger than the male thread and the Insulated Adaptor must be secured with a locknut, the female threads of the Adaptor or Reducer are to be suitably sealed (in accordance with IEC 60079-14) to maintain the Ingress Protection rating of the associated enclosure.
3. The Insulated Adaptors, when used in flameproof applications, must not be closed with a flameproof stopping plug.
4. The size A, B and C 478 Insulated Adaptor is limited to use in Group I applications to low impact installations.
5. The aluminium variant of type 478 adaptor is to be marked for Group II only.

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
478	3	C	28/08/15	Insulated adaptor
478LT	3	B	28/08/15	Insulated adaptor

These drawings are common this certificate and IECEx BAS 12.0111X and are 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 **Baseefa12ATEX0207X/2**  
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 Insulated Adaptors**

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. **Baseefa12ATEX0207X** 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.

9 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.”

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

 I M2 Ex db I Mb Ex eb I Mb (-\*°C to +\*°C or +\*°C) IP66 (\*see schedule)  
 II 2 GD Ex db IIC Gb Ex eb IIC Gb (-\*°C to +\*°C or +\*°C) IP66 (\*see schedule)  
Ex tb IIC Db

SGS Baseefa Customer Reference No. **0500**

Project File No. **16/0801**

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Re-issued 31<sup>st</sup> January 2017 to replace original

  
R S SINCLAIR  
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

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## Schedule

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Certificate Number Baseefa12ATEX0207X/2

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### Description of the variation to the Product

#### Variation 2.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-7:2015 and EN 60079-31:2014 in respect of differences from the standards to which this certificate was issued; none of these differences affect this equipment, other than the code marking requirements which have been addressed.

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### Report Number

SGS Baseefa Report Reference Number: - GB/BAS/ExTR16.0322/00

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### Specific Conditions of Use

None additional to those listed previously

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### Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is affected as follows.

Clause	Subject	Compliance
1.2.7	LVD type requirements	Standards require manufacturer's declaration, supplied.
1.2.8	Overloading of equipment (protection relays, etc.)	Covered by installation rules and manufacturer's instructions
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions

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### Drawings and Documents

Number	Sheet	Issue	Date	Description
478	1 to 3	D	23/11/2016	General Assembly – Insulated Adaptors
478LT	1	C	23/11/2016	General Assembly – Insulated Adaptors
478LT	2 & 3	B	27/08/15	General Assembly – Insulated Adaptors

These drawings are common to this certificate and held with IECEX BAS 12.0111X.