

1 **EU - TYPE EXAMINATION CERTIFICATE**

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

3 EU - Type Examination Certificate Number: **Baseefa12ATEX0207X – Issue 3**

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: **Insulated Adaptors**

5 Manufacturer: **Hawke International**

6 Address: **A Division of Hubbell Limited, A Member of the Hubbell Group of Companies,
Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA, UK**

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa12ATEX0207X to apply to product 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 Fimko Oy, Notified Body number 0598, 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 product 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.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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

EN IEC 60079-0: 2018 EN 60079-1: 2014 EN IEC 60079-7: 2015; +A1: 2018 EN 60079-31: 2014

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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

⊕ II 2G Ex db IIC Gb ⊕ II 2G Ex eb IIC Gb ⊕ II 2D Ex tb IIC Db See schedule for Mining marking

SGS Fimko Oy Customer Reference No. **0500**

Project File No. **22/0214**

This document is issued by the Company subject to their General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of their intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Fimko Oy

Takomotie 8
FI-00380 Helsinki, Finland
Telephone +358 (0)9 696 361
e-mail sgs.fimko@sgs.com
web site www.sgs.fi

Business ID 0978538-5 Member of the SGS Group (SGA SA)



Mikko Välimäki
Authorised Signatory for SGS Fimko Oy

13

Schedule

14

Certificate Number Baseefa12ATEX0207X – Issue 3

15 Description of Product

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 BSPT_r equivalent sizes.

Type Designation	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

The marking is as follows:

- ⊕ II 2G Ex db IIC Gb
- ⊕ II 2G Ex eb IIC Gb
- ⊕ II 2D Ex tb III C Db

- ⊕ I M2 Ex db I Mb
- ⊕ I M2 Ex eb I Mb

Note: Aluminium is not permitted for Group I mining.

16 Report Number

GB/BAS/ExTR22.0112/00

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 EN 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 EN 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 Insulated adaptor is limited to use in Group I application 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

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD type requirements
1.4.1	External effects
1.4.2	Aggressive substances

19 Drawings and Documents

Updated drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
478	1 to 3	E	12/05/21	Insulated Adaptors
478LT	1 to 3	D	12/05/21	Insulated Adaptors

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
NONE				

Drawings are common to Baseefa12ATEX0207X, BAS21UKEX0060X and IECEx BAS 12.0111X, and held on the latter.

20 Certificate History

Certificate No.	Date	Comments
Baseefa12ATEX0207X	19 December 2012	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2012, EN 60079-1: 2007, EN 60079-7:2007 and EN 60079-31: 2009. This is documented in Report No. GB/BAS/ExTR12.0256/00.
Baseefa12ATEX0207X/1	14 October 2015	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 This is documented in Report No. GB/BAS/ExTR15.0268/00.
Baseefa12ATEX0207X/2	5 January 2017	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. This is documented in Report No. GB/BAS/ExTR16.0322/00.

Certificate No.	Date	Comments
Baseefa12ATEX0207X Issue 3	8 August 2022	Variation 3.1: This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN IEC 60079-0: 2018 and EN IEC 60079-7: 2015: +A1: 2018. Variation 3.2: Marking modification to include associated UKEX information. The Ex marking code remains unchanged. This is documented in GB/BAS/ExTR22.0112/00.
For drawings applicable to each issue, see original of that issue.		