

UNITED KINGDOM CONFORMITY ASSESSMENT

1 **UK TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in a Product or Protective System for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: **Sira 21UKEX1022U** Issue: **1**

4 Product: **Type AFA66A Air Filled Straight Adaptor**

5 Manufacturer: **Victor Products Ltd**

6 Address: **Unit 3A, Tyne Dock East Side, Port of Tyne, South Shields, Tyne & Wear, NE33 5SQ**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations. The examination and test results are recorded in the confidential reports listed in Section 14.2.

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

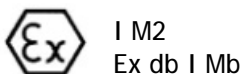
EN IEC 60079-0:2018+AC:2020 EN 60079-1:2014

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 The sign “U” placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as the basis for certification of an equipment or protective system. Any limitations are listed in Section 15.

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

12 The marking of this product shall be in accordance with Regulation 41 and include the following:



Name: Michelle Halliwell
Title: Director of Operations

SCHEDULE

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13 DESCRIPTION OF PRODUCT

The Type AFA66A Air Filled Straight Adaptor is rated at 6.6 kV, 500 A and comprises a cylindrical body with a mounting flange to BS 3905:1995 at each end. These flanges enable the adaptor to be connected to associated flameproof devices. The body of the Adaptor is manufactured from a cast metallic material and houses a moulded insulator that incorporates three contact tubes for the fitting of floating contact pins and a central earthing facility.

The following are design options:

- A double ended contact tube and insulated adaptor pin
- The retention of cables by crimping or grubscrew
- An auxiliary pilot tube and conductor
- An auxiliary contact pin
- Up to 7 pilots/auxiliary connectors

The following are body material options

- Gunmetal

Variation 1 - This variation introduced the following change:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2012+A11:2013 was replaced by EN IEC 60079-0:2018+AC:2020.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	24 May 2021	R80070766B	The release of the prime certificate.
1	16 December 2022	R80134130A	The introduction of Variation 1.

15 SCHEDULE OF LIMITATIONS

15.1 The component is only certified for use in an ambient temperatures range -20°C to +40°C and shall not be used outside this range.

15.2 All mounting fasteners shall be manufactured from a material that contains a suitable metallic composition of magnesium, titanium and zirconium (<7.5%, in total by mass), and aluminium, magnesium, titanium and zirconium (<15% in total by mass). In addition, the Type AFA66A Air Filled Straight Adaptor is to be secured to associated apparatus, at the flange located at the insulator tube end of the adapter, with SIX, M10 x 1.5 x 45 lg hexagonal head fasteners, the fastener screws shall be grade 8.8 MIN. and used in conjunction with grade 8.0 nuts.

15.3 All flameproof joints are not intended to be repaired.



SCHEDULE

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16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.

17 PRODUCTION CONTROL

17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders



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CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
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Certificate Annexe

Certificate Number: Sira 21UKEX1022U
Product: Type AFA66A Air Filled Straight Adaptor
Manufacturer: Victor Products Ltd

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
CA144	1 to 2	3	17 Mar 21	6.6 KV 500A Air Filled Adaptor Type No. AFA66A

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
CA144	1 to 2	4	02 Dec 22	6.6 KV 500A Air Filled Adaptor Type No. AFA66A



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