



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 00ATEX1191U** Issue: **3**

4 Component: **Type AFA33A Air Filled Straight Adaptor**

5 Applicant: **Victor Products Ltd**

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

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

8 CSA Group Netherlands B.V. notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

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, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

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

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any limitations of use are listed in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:



I M2
Ex db I Mb

Signed: Michelle Halliwell

Title: Director of Operations



Project Number 80134130

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SCHEDULE

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13 DESCRIPTION OF COMPONENT

The Type AFA33A Air Filled Straight Adaptor is rated at 3.3 kV, 500 A and comprises a cylindrical body with a mounting flange to BS 3454:1995 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 grub screw
- An auxiliary pilot tube and conductor
- An auxiliary contact pin

The following are body material options

- Gunmetal
- Brass
- Aluminium bronze
- Cast iron
- Malleable iron
- Sg iron

Variation 1 - This variation introduced the following changes:

- i. The Applicants address was changed from New York Way, New York Industrial Park, Newcastle upon Tyne, NE27 0QF, to Unit 3A, Tyne Dock East Side, Port of Tyne, South Shields, Tyne & Wear, NE33 5SQ.
- ii. It was recognised that the AFA33A Air Filled Straight Adaptor will no longer be manufactured in either Brass, Aluminium bronze, Cast iron, Malleable iron or Sg iron materials.
- iii. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 50014:1997 (amendments A1 and A2) and EN 50018:1994, were replaced by EN 60079-0:2012/A11:2013 and EN 60079-1:2014 as a result, the markings were updated, schedule of limitations were introduced and FLP dimensional details were clarified on the certification documentation.

Variation 2 - 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.



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14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	09 February 2001	R51M6640A	The release of the prime certificate.
1	22 January 2018	R70164777A	This Issue covers the following changes: <ul style="list-style-type: none">• EC-Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. (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. Variations to such EC-Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)• The introduction of Variation 1.
2	15 October 2019	0627	Transfer of certificate Sira 00ATEX1191U from Sira Certification Service to CSA Group Netherlands B.V.
3	16 December 2022	R80134130A	The introduction of Variation 2.

15 SCHEDULE OF LIMITATIONS

- 15.1 The component is only certified for use in an ambient temperatures range -20°C to +40°C and should not be used outside this range.
- 15.2 The Type AFA33A Air Filled Straight Adaptor is to be secured to associated apparatus with FOUR, M8 x 1.25 x 50 lg hexagonal head fasteners. The fastener screws are of grade 8.8 MIN. and used in conjunction with grade 8.0 nuts.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Group Netherlands B.V. certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU

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Certificate Annexe



Certificate Number: Sira 00ATEX1191U
Component: Type AFA33A Air Filled Straight Adaptor
Applicant: Victor Products Ltd

Issue 0

Drawing No.	Sheet	Rev.	Date	Title
CA145*	1 of 2	1	07 Aug 00	3.3 kV 500A Air Filled Adaptor Type No. AFA33A
CA145	2 of 2	1	07 Aug 00	3.3 kV 500A Air Filled Adaptor Type No. AFA33A

* This drawing was amended by Sira on 9 February 2001

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
CA145	1 of 2	2	19 Jan 18	3.3 KV 500A Air Filled Adaptor Type No. AFA33A
CA145	2 of 2	2	09 Jan 18	3.3 KV 500A Air Filled Adaptor Type No. AFA33A
A125457	1 of 1	1	09 Jan 18	GPC – 18 No. 6xM5x30 Fastener

Issue 2. No new drawings were introduced

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
CA145	1 of 2	4	02 Dec 2022	3.3kV 500A AIR FILLED ADAPTOR TYPE No. AFA33A
CA145	2 of 2	3	02 Dec 2022	3.3kV 500A AIR FILLED ADAPTOR TYPE No. AFA33A

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