

1 **EU - TYPE EXAMINATION CERTIFICATE**

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

3 EU - Type Examination Certificate Number: **Baseefa09ATEX0121U – Issue 6**

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: **Type A43 Range of Bolted Connectors**

5 Manufacturer: **Victor Products Limited**

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

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa09ATEX0121U** 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 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.

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

except in respect of those requirements listed at item 18 of the Schedule.

10 The sign “U” is placed after the certificate number. It 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 a basis for certification of an equipment or protective system.

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:

 **I M2 Ex db I Mb**

SGS Baseefa Customer Reference No. **1186**

Project File No. **22/0117**

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Schedule

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Certificate Number Baseefa09ATEX0121U – Issue 6

15 Description of Product

The Type A43 Range of Bolted Connectors is rated at up to 500A, 3300V. The units comprise a gunmetal enclosure, incorporating a cable gland assembly, an insulator assembly with three main contact tubes, one pilot circuit contact tube, two auxiliary tubes and an earth clamp, and have a gland for the attachment of unarmoured cables. The range comprises the Type A43PB Bolted Plug, Type A43SB Bolted Socket, Type A43TPB Bolted Test Plug, Type A43BPB Bolted Blanking Plug, Type A43RASB Right Angled Bolted Socket and Type RAPB Right Angled Bolted Plug.

Type A43PB Bolted Plug, rated at up to 500A, 3300V. The plug comprises a gunmetal enclosure, incorporating a cable gland assembly, a screened insulator assembly with three main contact tubes, one pilot circuit contact tube, two auxiliary tubes and earth connections and has a gland for the attachment of unarmoured cables.

The power and contact tubes and the earth clamp are fitted with grub screws for cable core and screen/ earth connection respectively.

The plug is for association with a socket as Baseefa09ATEX0121U or a bolted plug coupler as Baseefa09ATEX0122X or any socket suitably certified for Group I use in accordance with EN IEC 60079-0: 2018 and EN 60079-1: 2014, having a flameproof interface as BS 5620.

Type A43SB Bolted Socket, rated at up to 500A, 3300V. The socket comprises a gunmetal enclosure, incorporating a screened insulator assembly with three main contact pins, one pilot circuit contact pin, two auxiliary pins and an earth contact.

The power and contact pins are fitted with grub screws for cable core connection.

One end of the socket is for association with a plug as Baseefa09ATEX0121U or any plug suitably certified for Group I use in accordance with EN IEC 60079-0: 2018 and EN 60079-1: 2014, having a flameproof interface as BS 5620. The other end of the socket has a facing for mounting on to a suitable, flameproof, enclosure.

Type A43TPB Bolted Test Plug, for use in association with a socket as Baseefa09ATEX0121U, or any connector suitably certified for Group I use in accordance with EN IEC 60079-0: 2018 and EN 60079-1: 2014, having a flameproof interface as BS 5620, rated at up to 500A, 3300V.

The plug comprises a brass and gunmetal enclosure, incorporating an insulator assembly which includes a pilot circuit contact tube and a resistor/rectifier assembly. The end cover has a through-going operating shaft for a rotary selector switch which is mounted on its internal face.

Type A43BPB Bolted Blanking Plug, rated at up to 3300V. The unit comprises a gunmetal and brass enclosure, containing an insulator devoid of contact tubes.

The blanking plug is for association with a socket as Baseefa09ATEX0121U or a bolted plug coupler as Baseefa09ATEX0122X or any cabling device, suitably certified for Group I use in accordance with EN IEC 60079-0: 2018 and EN 60079-1: 2014, having a flameproof interface as BS 5620. The blanking plug may have, alternatively, an interior incorporating a pilot contact tube and a diode.

Type A43RAPS Right Angled Bolted Socket and Type RAPB Right Angled Bolted Plug, rated at up to 500A, 3300V.

The general construction is as above, but with an extended right angled plug and socket assembly and a different plug/socket interface.

16 Report Number

See Certificate History

17 Schedule of Limitations

1. The cabling devices shall not be used in association with any enclosure, which has a routine pressure test exceeding 10bar, without further tests and/or assessment.
2. The insulation material of the connectors must be suitably protected against contamination by the chemical agents referenced in clause 26.11 of EN IEC 60079-0.

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	Compliance
1.6.3	Hazards from Power Failure	Covered by instruction manual. The manufacturer has stated in the instruction manual: "It is the end user responsibility to take the necessary measures to protect the other equipment connected via the bolted connectors in an event of power failure".

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
CA192	5 of 5	6	17/02/22	Type A43 Range of Connectors
CA194	1 of 1	5	17/02/22	Bolted Test Plug – Type A43 TPB 3300 Volts – 500 Amps

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
-	-	-	-	-

The drawings are common to IECEx BAS 09.0048U and BAS22UKEX0031U

20 Certificate History

Certificate No.	Date	Comments
Baseefa09ATEX121U	8 May 2009	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2006 and EN 60079-1: 2007 is documented in Test Report No. GB/BAS/ExTR09.0068/00
Baseefa09ATEX121U/1	22 June 2010	To permit an alternative design of socket insulator with brass liner sleeves for the pilot and/or auxiliary terminal bores. Baseefa Certification Report GB/BAS/ExTR10.0142/0017
Baseefa09ATEX121U/2	31 May 2011	This issue of the certificate is to include: <ul style="list-style-type: none"> Minor drawing corrections. Alternative arrangement of the auxiliary pin to also incorporate a fibre optic connector. Alternative design for the Type A43BPB Blanking Cover. Baseefa Certification Report GB/BAS/ExTR11.0115/00
Baseefa09ATEX121U/3	2 August 2012	This issue of the certificate is to permit expansion of the explanatory drawing notes. Baseefa Certification Report GB/BAS/ExTR12.0201/00.

Certificate No.	Date	Comments
Baseefa09ATEX121U/4	5 December 2013	To allow the introduction of an alternative sealing arrangement for cables having outside diameters of 26-35mm. Baseefa Certification Report GB/BAS/ExTR12.0292/00.
Baseefa09ATEX121U/5	19 March 2018	To confirm that the component covered by this certificate has been reviewed against the requirements of IEC 60079-0: 2017 Edition 7 and EN 60079-1:2014. SGS Baseefa Report number GB/BAS/ExTR18.0012/00
Baseefa09ATEX121U – Issue 6	25 March 2022	To update the Marking Label and update the product description. SGS Baseefa Certification Report GB/BAS/ExTR22.0050/00. This issue of the certificate incorporates the Prime and issued Supplements into one certificate.
For drawings applicable to each issue, see original of that issue.		