

1 **UK-TYPE EXAMINATION CERTIFICATE**

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

3 UK-Type Examination Certificate Number: **BAS22UKEX0031U**

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

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 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 confidential Report No. **GB/BAS/ExTR22.0050/00**

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 the basis for certification of an equipment or protective system.

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 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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R S SINCLAIR  
TECHNICAL MANAGER  
On behalf of SGS Baseefa  
Limited

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## Schedule

14

### Certificate Number BAS22UKEX0031U

#### 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 BAS22UKEX0031U or Baseefa09ATEX0121U, or a bolted plug coupler as BAS22UKEX0030X or 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 BAS22UKEX0031U or 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 BAS22UKEX0031U or 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 BAS22UKEX0031U or Baseefa09ATEX0121U, or a bolted plug coupler as BAS22UKEX0030X or 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

SGS Baseefa Certification Report GB/BAS/ExTR22.0050/00.

#### 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

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

These drawings are common to IECEx BAS 09.0048U and Baseefa09ATEX0121U