



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX BAS 09.0048U**

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Certificate history:

Status: **Current**

Issue No: 8

Issue 7 (2018-03-19)

Issue 6 (2017-10-31)

Issue 5 (2013-12-05)

Issue 4 (2012-08-02)

Issue 3 (2011-06-02)

Issue 2 (2010-10-01)

Issue 1 (2010-06-22)

Issue 0 (2009-05-13)

Date of Issue: 2022-04-01

Applicant: **Victor Products Limited**
Unit 3A, Tyne Dock East Side
Port of Tyne
South Shields
NE33 5SQ
United Kingdom

Ex Component: Type A43 Range of Bolted Connectors

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Flameproof**

Marking: **Ex db I Mb**

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:
(for printed version)

1/4/2022

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom





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Manufacturer: **Victor Products Limited**
Unit 3A, Tyne Dock East Side
Port of Tyne
South Shields
NE33 5SQ
United Kingdom

Manufacturing locations: **Victor Products Limited**
Unit 3A, Tyne Dock East Side
Port of Tyne
South Shields
NE33 5SQ
United Kingdom

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The component and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/BAS/ExTR09.0068/00](#)
[GB/BAS/ExTR12.0201/00](#)
[GB/BAS/ExTR22.0050/00](#)

[GB/BAS/ExTR10.0142/00](#)
[GB/BAS/ExTR13.0292/00](#)

[GB/BAS/ExTR11.0115/00](#)
[GB/BAS/ExTR18.0012/00](#)

Quality Assessment Report:

[GB/SIR/QAR06.0055/08](#)



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Ex Component(s) covered by this certificate is described below:

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 IECEx BAS 09.0048U or a bolted plug coupler as IECEx BAS 09.0049X or any socket suitably certified for Group I use in accordance with IEC 60079-0: 2017 and IEC 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 IECEx BAS 09.0048U or any plug suitably certified for Group I use in accordance with IEC 60079-0: 2017 and IEC 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.

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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 suitability protected against contamination by the chemical agents as 26.11 of IEC 60079-0.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 8.1

To update the Marking label.

Variation 8.2

To update the product description

ExTR: **GB/BAS/ExTR22.0050/00**

File Reference: **21/0117**



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Additional information:

Type A43TPB Bolted Test Plug, for use in association with a socket as IECEx BAS 09.0048U , or any connector suitably certified for Group I use in accordance with IEC 60079-0: 2017 and IEC 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 IECEx BAS 09.0048U or a bolted plug coupler as IECEx BAS 09.0049X or any cabling device, suitably certified for Group I use in accordance with IEC 60079-0: 2017 and IEC 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.