



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx BAS 10.0018U issue No.:2

Status: **Current**

Date of Issue: **2015-03-06**

Page 1 of 4

Certificate history:

Issue No. 2 (2015-3-6)

Issue No. 1 (2011-11-22)

Issue No. 0 (2010-9-8)

Applicant: **Trox Limited**
10a Newby Road
Hazel Grove
Stockport
Cheshire
SK7 5DY
United Kingdom

Electrical Apparatus: **Type TX 3705.** Connectors**
Optional accessory:

Type of Protection: **Flameproof**


Marking: **Ex db I Mb and/or Ex db IIB Gb**

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Technical Manager

Signature:
(for printed version)

Date:


6/3/15

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0018U

Date of Issue: 2015-03-06

Issue No.: 2

Page 2 of 4

Manufacturer: **Trox Limited**
10a Newby Road
Hazel Grove
Stockport
Cheshire
SK7 5DY
United Kingdom

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

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 electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

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

Test Report:

GB/BAS/ExTR10.0028/00

GB/BAS/ExTR11.0303/00

GB/BAS/ExTR15.0016/00

Quality Assessment Report:

GB/SIR/QAR07.0017/04



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0018U

Date of Issue: 2015-03-06

Issue No.: 2

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Type TX3705.SS Socket, rated at up to 240V a.c. or 300V d.c., 25A per pin with a maximum through current of 100A. The assembly of the brass or stainless steel socket body and the cover shell is fitted with an insulating bushing insert which may be fitted with 26 or 37 tube or pin type electrical connectors. An internal and an external earth connection are provided. The assembly is held together using grade A2-70 min. socket cap head screws. Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with certified flameproof stopping plugs.

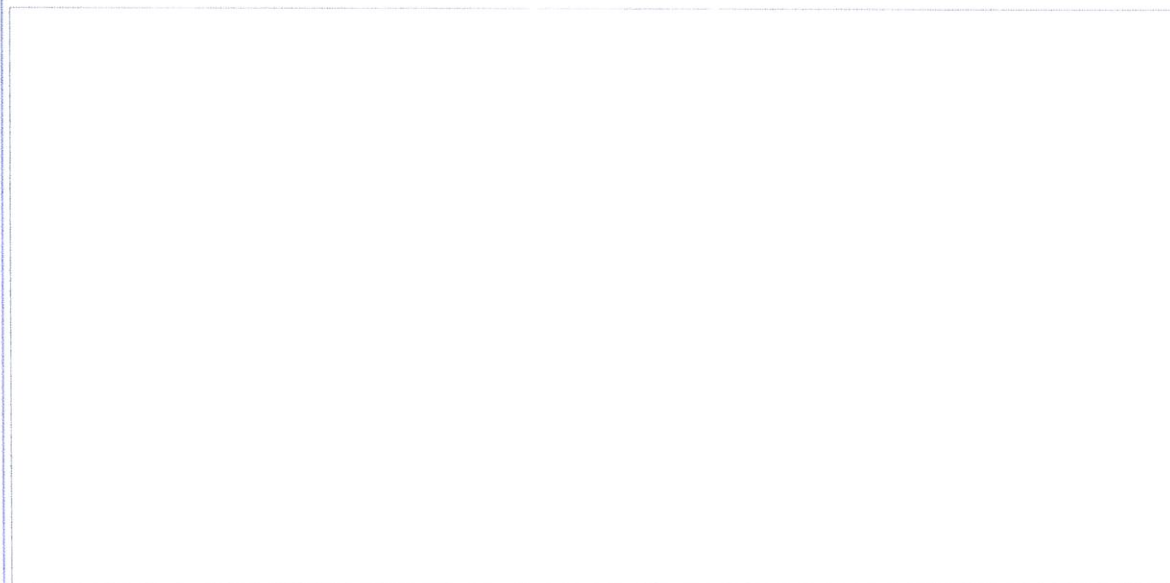
The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component). Additionally, the cable entry device and cabling methods used in service must be suitable for their intended duty and the special types of cable when used in Group I mining applications.

For permitted Variations, see Annex.

Schedule of Limitations

1. The socket TX3705.S formed by Variation 0.2 is to be mounted in the wall of an appropriate flameproof enclosure with an interface as shown on the drawings listed below.
2. The sockets are to be used in conjunction with a plug as Certificate IECEx BAS 10.0018U or a blanking plug as covered by Certificate IECEx BAS 10.0018U
3. When a socket is not fitted with a plug or a blanking cover all the electrical circuits in the associated flameproof enclosure must be de-energized.
4. The maximum flamepath gaps shall not exceed 0.2 mm, as on the drawing P3705-20
5. The ambient temperature a range is -20°C to +55°C.

CONDITIONS OF CERTIFICATION: NO





IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0018U

Date of Issue: 2015-03-06

Issue No.: 2

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 2.1

To confirm that the component covered by this certificate has been reviewed against the requirements of IEC 60079-0: 2011 and IEC 60079-1: 2014 in respect of the differences from the standards to which this certificate was issued.

ExTR: GB/BAS/ExTR15.0016/00

File Reference: 14/0858