



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 10.0019X

issue No.:2

Status:

Current

Date of Issue:

2015-03-06

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Certificate history:

Issue No. 2 (2015-3-6)

Issue No. 1 (2011-11-22)

Issue No. 0 (2010-9-9)

Applicant:

Trolex Limited
10a Newby Road
Hazel Grove
Stockport
Cheshire
SK7 5DY
United Kingdom

Electrical Apparatus:
Optional accessory:

Type TX3705 Connector

Type of Protection:

Flameproof

Marking:

Ex db I Mb (Tamb = -20°C to +55°C) and/or Ex db IIB T6 Gb (Tamb = -20°C to +55°C)


Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)


6/3/15

Date:

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





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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/QAR07.0017/02

GB/SIR/QAR07.0017/04



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Type TX3705 Connector, formed by the assembly of the Type TX3705 Plug and the Type TX3705 Socket, both as certificate IECEx BAS 10.0018U. The Type TX3705 Connector is rated at up to 240V a.c. or 300V d.c., 25A per pin with a maximum through current of 100A. The assembly is held together using grade A2-70 min. socket cap head screws.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The maximum flamepath gaps shall not exceed 0.2 mm, as on the drawings referred to in GB/BAS/ExTR10.0028/00



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

Variation 2.1

To confirm that the equipment 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