



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 12.0035X

Date of Issue: 2015-05-13

Issue No.: 2

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Manufacturer: **Trex 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 Edition: 6.0 | Explosive atmospheres - Part 0: General requirements |
| IEC 60079-1 : 2014-06 Edition: 7.0 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 60079-7 : 2006-07 Edition: 4 | Explosive atmospheres - Part 7: Equipment protection by increased safety "e" |

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/ExTR12.0042/00

GB/BAS/ExTR15.0013/00

GB/BAS/ExTR15.0100/00

Quality Assessment Report:

GB/SIR/QAR07.0017/04



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type TX3700 / Type TX3710 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.

Type TX3700 / TX3710 Connector is formed by the assembly of a Type TX3700.** Socket and a Type TX3700.** Plug, both as IECEX BAS 12.0034U.

Blanking covers are provided for both the socket and the plug.

Variation 0.1

A connector assembled using the TX3700.S / TX3710.S Socket, as IECEX BAS 12.0034U Variation 0.2, mounted in the wall of an appropriate flameproof enclosure is designated a Type TX3700.S / Type TX3710.S Connector.

Variation 0.2

A connector assembled using the TX3700.ES / TX3710.ES Socket, as IECEX BAS 12.0034U Variation 0.3, mounted in the wall of an appropriate increased safety enclosure is designated a Type TX3700.ES / Type TX3710.ES Connector and is marked:

Ex d e I (-20°C ≤ Tamb ≤ + 55°C) Mb and/or Ex d e IIB T6 (-20°C ≤ Tamb ≤ + 55°C) Gb

CONDITIONS OF CERTIFICATION: YES as shown below:

1. When a socket is not fitted with a plug or blank cover all the electrical circuits, including those in any associated flameproof or increased safety enclosure, must be de-energized.
2. The maximum flamepath gaps shall not exceed 0.15mm and 0.2 mm, as on the drawings listed in report GB/BAS/Ex TR12.0042/00.
3. When the TX3700.ES / TX3710.ES socket connector is used, it shall be mounted to an enclosure in accordance with the certification drawings.
4. When the TX3700.ES / TX3710.ES socket connector is used, the Ingress Protection of the enclosure shall be maintained.
5. For Ex enclosure mountable socket versions of the connectors, the maximum reference pressure shall be no greater than 20 bar, without further tests and/or assessment.



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

Variation 2.1

To allow for the introduction of an aluminium version of the Type TX3700 Connector designated the Type TX 3710 Connector. This aluminium version is for use in Group IIB applications only, i.e. it may not be used in Group I applications.

Variation 2.2

Addition of Condition of Certification No. 5.

EXTR: GB/BAS/ExTR15.0100/00

File Reference: 15/0131