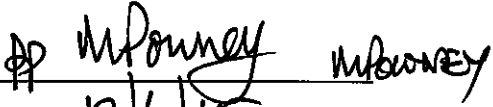




IECEX Certificate of Conformity

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 12.0037X	issue No.:3	Certificate history: Issue No. 3 (2015-5-13) Issue No. 2 (2015-3-5) Issue No. 1 (2014-4-2) Issue No. 0 (2012-4-24)
Status:	Current		
Date of Issue:	2015-05-13	Page 1 of 4	
Applicant:	Trolex Limited 10a Newby Road Hazel Grove Stockport Cheshire SK7 5DY United Kingdom		
Electrical Apparatus: Optional accessory:	Type TX3701 / Type TX3711 Connector		
Type of Protection:	Flameproof or Flameproof and Increased Safety		
Marking:	Ex db I Mb (Tamb = -20°C to +55°C) and/or Ex db IIB T6 Gb (Tamb = -20°C to +55°C) or Ex db e I Mb (Tamb = -20°C to +55°C) and/or Ex db e 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)			
Date:	19/6/15		

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.

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 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/ExTR15.0100/00

GB/BAS/ExTR14.0104/00

GB/BAS/ExTR15.0014/00

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 TX3701 / Type TX3711 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.

The Type TX3701 / Type TX3711 Connector is formed by the assembly of a Type TX 3701.** / Type TX 3711.** Cable Mounted Socket and a Type TX 3701.** / Type TX 3711.** Cable Mounted Socket, both as certificate IECEx BAS 12.0036U.

Variation 0.1

A connector assembled using the TX 3701.S / TX 3711.S Socket, as IECEx BAS 12.0036U Variation 0.3, mounted in the wall of an appropriate flameproof enclosure is designated a Type TX3701.S / Type TX3711.S Connector

Variation 0.2

A connector assembled using the TX 3701.ES / TX 3711.ES Socket, as IECEx BAS 12.0036U Variation 0.5, mounted in the wall of an appropriate increased safety enclosure is designated a Type TX3701.ES / Type TX3711.ES Connector and is marked: Ex d e I (-20°C ≤ T_{amb} ≤ +55°C) Mb and/or Ex d e IIB T6 (-20°C ≤ T_{amb} ≤ +55°C) Gb

Variation 0.3

Alternative Type TX3701 / Type TX3711 Connector, with 8 way contacts, rated at 1500V a.c., 2200V d.c., with a limit of 25A per contact and a maximum total of 100A. This connector is an assembly of the TX3701.PS.08T.M32 / TX3711.PS.08T.M32 and TX3701.SS.08P.M32 / TX3711.SS.08P.M32 cable mounted plug and cable mounted socket, as IECEx BAS 12.0036U Variation 0.9.

This unit only is marked with the T6 temperature class at an ambient temperature range of -20°C ≤ T_{amb} ≤ +70°C.

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 TX 3701.ES / TX 3711.ES socket connector is used, it shall be mounted to an enclosure in accordance with the certification drawings.
4. When the TX 3701.ES / TX 3711.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 3.1

To allow for the introduction of an aluminium version of the Type TX3701 Connector designated the Type TX 3711 Connector.

Variation 3.2

Addition of Condition of Certification No. 5

ExTR: GB/BAS/ExTR15.0100/00

File Reference: 15/0131