



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 TSA 11.0015X issue No.: 1
Status: **Current**
Date of Issue: 2011-12-22 Page 1 of 4

Certificate history:
Issue No. 1 (2011-12-22)
Issue No. 0 (2011-11-15)

Applicant: **Trolex Ltd**
Newby Road, Hazel Grove
Stockport, SK7 5DY
United Kingdom

Electrical Apparatus: **Type TX3705 Connector**
Optional accessory:

Type of Protection: **Ex d**

Marking: **Trolex**
Model number _____
Ex d I Mb
Ex d IIB T6 Gb
S/N _____
Tamb -20 °C to +55 °C
IECEx TSA 11.0015X

Approved for issue on behalf of the IECEx
Certification Body:

Ujen Singh

Position:

Quality & Certification Manager

Signature:
(for printed version)

Date:

22 DECEMBER 2011

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:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia





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Manufacturer: **Trox Ltd**
Newby Road, Hazel Grove
Stockport, SK7 5DY
United Kingdom

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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

*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

Quality Assessment Report:

GB/BAS/QAR07.0017/02



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Type TX3705 Connector is formed by the assembly of the Type TX3705 Plug and the Type TX3705 Socket, each certified in IECEx TSA 11.0014U. The Type TX3705 Connector is rated at up to 240 V a.c. or 300 V d.c., 25 A per pin with a maximum through current of 100 A. The assembly is held together using socket cap head screws grade A2-70 minimum.

CONDITIONS OF CERTIFICATION: YES as shown below:

See the attached Annexe.



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

To permit an alternative cable entry size of M40. Refer to the attached Annexe for details.



IECEX Certificate of Conformity Annexe

Annexe for Certificate No.:	IECEX TSA 11.0015X	Issue No.:	1
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Equipment description pertaining to Issue 0 of this Certificate:

Type TX3705 Connector is formed by the assembly of the Type TX3705 Plug and the Type TX3705 Socket, each certified in IECEX TSA 11.0014U. The Type TX3705 Connector is rated at up to 240 V a.c. or 300 V d.c., 25 A per pin with a maximum through current of 100 A. The assembly is held together using socket cap head screws grade A2-70 minimum.

Conditions of Certification pertaining to Issue 0 of this Certificate:

1. The maximum flamepath gaps shall not exceed 0.2 mm, as referred on the certified drawing P3705-20.
2. The ambient temperature range is -20°C to +55°C.

Drawing list pertaining to Issue 0 of this Certificate:

Document No.	Sheets	Document Title	Revision	Date (yyyy-mm-dd)
P3705-20	1	TX3705 Exd Connectors IECEX – General Arrangement	B	2011-11-03
P3705-20-01	1	TX3705 Exd Connectors IECEX – Component Details	A	2010-05-18
P3705-20-02	1	TX3705 Exd Connectors – Component Details – Plug & Socket Blanks	A	2010-07-12
P3705.22	1	TX3705 Connectors IECEX – Testsafe - Label Details – Group I & II	A	2011-03-02

Variations permitted by Issue 1:

Inclusion of an optional cable entry size of M40 x1.5 to the cover shell of TX3705 connector.

Conditions of Certification pertaining to Issue 1 of this Certificate:

All previous conditions of certification pertaining to Issue 0 still apply.

Certificate issued by:

	TestSafe Australia 919 Londonderry Road Londonderry NSW 2753 Australia
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IECEX Certificate of Conformity Annexe

Annexe for Certificate No.:	IECEX TSA 11.0015X	Issue No.:	1
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Drawing list pertaining to Issue 1 of this Certificate:

Document No.	Sheets	Document Title	Revision	Date (yyyy-mm-dd)
P3705-20	1	TX3705 Exd Connectors IECEx – General Arrangement	C	2011-11-14
P3705-20-01	1	TX3705 Exd Connectors IECEx – Component Details	B	2011-11-14
P3705.22	1	TX3705 Connectors IECEx – Testsafe - Label Details – Group I & II	B	2011-11-29

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