

1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa06ATEX0308X – Issue 7**

4 Equipment or Protective System: **Type TX3701 / Type TX3711 Connector**

5 Manufacturer: **Trolex Limited**

6 Address: **10a Newby Road, Hazel Grove, Stockport, Cheshire, SK7 5DY**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No's. **See Certificate History**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0: 2012 + A11: 2013 EN 60079-1: 2014 EN 60079-7: 2007

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

⊕ I M2 Ex db I Mb (T_{amb} = -20°C to +55°C) and/or ⊕ II 2G Ex db IIB T6 Gb (T_{amb} = -20°C to +55°C)

or

⊕ I M2 Ex db e I Mb (T_{amb} = -20°C to +55°C) and/or ⊕ II 2G Ex db e IIB T6 Gb (T_{amb} = -20°C to +55°C)

Baseefa Customer Reference No. **1159**

Project File No. **15/0131**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.baseefa.com/terms-and-conditions.asp>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Baseefa Limited

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

RS Sinclair
R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa06ATEX00308X – Issue 7

15 Description of Equipment or Protective System

Type TX3701 / Type TX3711 Connector, rated at up to 240V a.c. or 300V d.c, 25A per pin with a maximum through current of 100A.

The connector comprises a Type TX3701.PS / Type TX3711.PS Cable Mounted Plug as Certificate Baseefa06ATEX0306U and a Type TX3701.SS / Type TX3711.SS Cable Mounted Socket as Certificate Baseefa06ATEX0306U held together with two socket head screws.

Variation 0.1

Alternative higher voltage rating for the above 3 and 8 pin versions of the above, at up to 1500V a.c. or 2000V d.c.

Variation 0.2

When a connector is assembled using the socket covered by Baseefa06ATEX0306U, the unit formed is designated as the

Type TX3701.ES / Type TX3711.ES Connector

and is marked Ex I M2 Ex db e I Mb and Ex II 2G Ex db e IIB T6 Gb

16 Report Number

None

17 Specific Conditions of Use

1. When a socket is not fitted with a plug or a blanking 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 0.15 mm and 0.2 mm, as on the drawings below.
3. When the TX3701.ES / TX3711.ES socket connector is used, it shall be mounted to an enclosure in accordance with the certification drawings.
4. When the TX3701.ES / TX3711.ES socket connector is used, the Ingress Protection of the enclosure shall be maintained.
5. For Ex enclosures mountable socket versions of the connectors, the maximum reference pressure shall be no greater than 20 bar, without further tests and/or assessment.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

New drawings submitted for this issue of the certificate.

Number	Sheet	Issue	Date	Description
P3701.607**	1 of 3	F	22.04.15	General Arrangement
P3701.608**	1 of 8	C	22.04.15	Plug Flange
P3701.608**	2 of 8	C	22.04.15	Socket
P3701.608**	3 of 8	C	22.04.15	Cover Shell (body machined)
P3701.608**	4 of 8	C	22.04.15	Locking Ring - Plug

P3701.608**	5 of 8	C	22.04.15	Locking Ring – Socket
P3701.608**	6 of 8	C	22.04.15	Locking Ring – Socket Ex de
P3701.608**	7 of 8	C	22.04.15	Plug Blank
P3701.608**	8 of 8	C	22.04.15	Socket Blank
P3701.738**	1 of 1	A	22/04/15	Label Details Group II (ATEX and IECEX) (Unique Variant - Aluminium version)
P3701.739**	1 of 1	A	22/04/15	Label Details Group II (ATEX and IECEX Aluminium version)

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
P3701.607**	2 of 3	E	02.02.15	General Arrangement
P3701.607**	3 of 3	E	02.02.15	General Arrangement
P3701.609**	1 of 4	B	08/09/02	Insert Body 26-Way
P3701.609**	2 of 4	B	08/09/02	Insert End 26-Way
P3701.609**	3 of 4	B	08/09/02	Insert Body 37-Way
P3701.609**	4 of 4	B	08/09/02	Insert End 37-Way
P3701.610**	1 of 5	B	08/09/02	Insert Body 3-Way (Front) High Voltage
P3701.610**	2 of 5	B	08/09/02	Insert Body 3-Way (Rear) High Voltage
P3701.610**	3 of 5	B	08/09/02	Insert Body 8-Way (Front) High Voltage
P3701.610**	4 of 5	B	08/09/02	Insert Body 8-Way (Rear) High Voltage
P3701.610**	5 of 5	B	08/09/02	Pin and Tube Sleeves
P3700.617***	1 of 1	A	20.05.02	Large Pins & Tubes, Small Pins & Tubes
P3701.735 ⁴	1 of 1	E	07/01/15	Label Details Group I & II (ATEX)
P3701.736**	1 of 1	B	21/01/15	Label Details Group I & II (ATEX and IECEX) (Unique Variant)
P3701-706-03**	1 of 1	A	27/03/14	Plug Blank, Extended

**These drawings are common to Baseefa06ATEX0306U, Baseefa06ATEX0308X, IECEX BAS 12.0036U and IECEX BAS 12.0037X and are held with IECEX BAS 12.0036U.

***This drawing is common to Baseefa06ATEX0306U, Baseefa06ATEX0308X, Baseefa06ATEX0305U, Baseefa06ATEX0307X, IECEX BAS 12.0036U and IECEX BAS 12.0037X, IECEX BAS 12.0034U and IECEX BAS 12.0035X and is held with IECEX BAS 12.0034U.

⁴This drawing is common to Baseefa06ATEX0306U and Baseefa06ATEX0308X and is held with the former.

20 Certificate History

Certificate No.	Date	Comments
Baseefa06ATEX0308X	24 th November 2006	The release of the prime certificate. The associated test and assessment is documented in the certification report 06(CI)0553.

Certificate No.	Date	Comments
Baseefa06ATEX0308X/1	14 th July 2008	<p>Confirmation of the equipment marking for the ambient temperature range of the existing connectors as being $T_{amb} = -20^{\circ}\text{C}$ to $+55^{\circ}\text{C}$.</p> <p>Alternative Type TX37*1 Connector, with 8 way contacts. Rated at 1500Vac / 2200Vdc, with a limit of 25A per contact and a maximum total of 100A. This connector is an assembly of the TX37*1.PS.08T.M32 and TX37*1.SS.08P.M32, cable mounted plug and cable mounted socket, only.</p> <p>This unit only is marked with a T6 temperature range of $T_{amb} = -20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$. No report.</p>
Baseefa06ATEX0308X/2	25 th August 2008	<p>To include additional wording on the warning labels.</p> <p>Introduction of the Type TX3705 connector (removed at issue 3 below).</p> <p>To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN60079-0: 2006 and EN60079-1: 2007 in respect of the differences from the Standards to which this certificate was issued; none of these differences affect this equipment.</p> <p>Certification report 09(C)0235 refers.</p>
Baseefa06ATEX0308X/3	24 th April 2012	<p>To clarify that the Type TX37*1 Connector may also incorporate a Type TX37*1.S Box Mounted Socket as Variation 0.3 of Baseefa06ATEX0306U.</p> <p>Minor drawing amendments to include amended codings, reflecting the amended certification standards as below.</p> <p>To confirm that the equipment covered by this certificate as amended by the above changes has been reviewed against the requirements of EN 60079-0: 2009, EN 60079-1: 2007 and EN 60079-7: 2007 in respect of the differences from the standards to which this certificate was issued; none of these differences affect this equipment.</p> <p>To clarify the Type TX3705 (Baseefa06ATEX0308X/1) which is considered as removed from this certificate.</p> <p>No report.</p>
Baseefa06ATEX0308X/4	2 nd April 2014	<p>To allow the introduction of an alternative plug blanking cap.</p> <p>Certification report GB/BAS/ExTR14.0104/00 refers.</p>
Baseefa06ATEX0308X/5	5 th March 2015	<p>To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2012 + A11: 2013 and EN 60079-1: 2014 in respect of the differences from the standards to which the certificate was issued.</p> <p>Introduction of two Conditions of Use applicable to the TX37*0.ES socket connector.</p> <p>Certification report GB/BAS/ExTR15.0014/00 refers.</p>
Baseefa06ATEX0308X/6	13 th May 2015	<p>Introduction of the aluminium version of the Type TX 3700.** Plugs, Sockets and Blanking Covers designated the Type TX 3710.**. This aluminium version is for use in Group IIB applications only, i.e. it may not be used in Group I applications.</p> <p>Introduction of the Condition of Use applicable to Ex enclosure mountable socket versions.</p> <p>Certification report GB/BAS/ExTR15.0100/00 refers.</p>

Certificate Number
Baseefa06ATEX0308X
Issue 7

SGS



Issued 19th June 2015
Page 5 of 5

Certificate No.	Date	Comments
Baseefa06ATEX0308X/7	19 th June 2015	Re-issue of the certificate to include certificate history and clarify certification. Clarification of the Conditions of Use. No report.
For drawings applicable to each issue, see original of that issue.		