

EC - TYPE EXAMINATION CERTIFICATE

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

- 3 EC - Type Examination Certificate Number: **Baseefa06ATEX0307X – Issue 5**
- 4 Equipment or Protective System: **Type TX3700 / Type TX3710 Connector**
- 5 Manufacturer: **Trox 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**

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RS Sinclair
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GENERAL MANAGER

On behalf of SGS Baseefa Limited

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Schedule

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Certificate Number Baseefa06ATEX00307X – Issue 5

15 Description of Equipment or Protective System

Type TX3700 / Type TX3710 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 TX3700.PS / Type TX3710.PS Cable Mounted Plug as Certificate Baseefa06ATEX0305U and a Type TX3700.SS / Type TX3710.SS Cable Mounted Socket as Certificate Baseefa06ATEX0305U held together with two socket head cap screws.

Variation 0.1

When a connector is assembled using the socket covered by Baseefa06ATEX0305U, Variation 0.3, the unit formed is designated as the

Type TX3700.ES / Type TX3710.ES Connector

and is marked Ex I M2 Ex db e I Mb and/or 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 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 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
P3700.615*	1 of 3	F	21.04.15	General Arrangement
P3700.616*	1 of 8	C	21.04.15	Plug Flange
P3700.616*	2 of 8	C	21.04.15	Socket
P3700.616*	3 of 8	C	21.04.15	Cover Shell (body machined)
P3700.616*	4 of 8	C	21.04.15	Locking Ring - Plug
P3700.616*	5 of 8	C	21.04.15	Locking Ring – Socket
P3700.616*	6 of 8	C	21.04.15	Locking Ring – Socket Ex de

Number	Sheet	Issue	Date	Description
P3700.616*	7 of 8	C	21.04.15	Plug Blank
P3700.616*	8 of 8	C	21.04.15	Socket Blank
P3700.739*	1 of 1	A	21.04.15	Label Details Group II (ATEX and IECEx Aluminium version)

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
P3700.615*	2 of 3	E	29.01.15	General Arrangement
P3700.615*	3 of 3	E	29.01.15	General Arrangement
P3700.617**	1 of 1	A	20.05.02	Large Pins & Tubes, Small Pins & Tubes
P3700.618*	1 of 6	B	08/09/02	Insert Body 4-Way
P3700.618*	2 of 6	B	08/09/02	Insert End 4-Way
P3700.618*	3 of 6	B	08/09/02	Insert Body 10-Way
P3700.618*	4 of 6	B	08/09/02	Insert End 10-Way
P3700.618*	5 of 6	B	08/09/02	Insert Body 14-Way
P3700.618*	6 of 6	B	08/09/02	Insert End 14-Way
P3700.730 ³	1 of 1	D	07/01/15	Label Details Group I & II (ATEX)

*These drawings are common to Baseefa06ATEX0305U, Baseefa06ATEX0307X, IECEx BAS 12.0034U and IECEx BAS 12.0035X and are held with IECEx BAS 12.0034U.

**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.

³This drawing is common to Baseefa06ATEX0305U and Baseefa06ATEX0307X and is held with the former.

20 Certificate History

Certificate No.	Date	Comments
Baseefa06ATEX0307X	24 th November 2006	The release of the prime certificate. The associated test and assessment is documented in the certification report 06(CI)0553.
Baseefa06ATEX0307X/1	25 th August 2009	To include additional wording on the warning labels. Introduction of the Type TX3704 connector (removed at issue 2 below). 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. Certification report 09(C)0235 refers.

Certificate No.	Date	Comments
Baseefa06ATEX0307X/2	18 th April 2012	<p>To clarify that the Type TX37*0 Connector may also incorporate a Type TX37*0.S Box Mounted Socket as Variation 0.2 of Baseefa06ATEX0305U.</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 TX3704 (Baseefa06ATEX0307X/1) which is considered as removed from this certificate.</p> <p>No report.</p>
Baseefa06ATEX0307X/3	4 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/ExTR15.0013/00 refers.</p>
Baseefa06ATEX0307X/4	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>
Baseefa06ATEX0307X/5	19 th June 2015	<p>Re-issue of the certificate to include certificate history and clarify certification. Deletion of the conditions of use referencing the Type TX3704 connector. Clarification of the Conditions of Use. No report.</p>
For drawings applicable to each issue, see original of that issue.		