



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: **Baseefa03ATEX0122**

4 Equipment or Protective System: **TYPE TST1V0A TILT SWITCH**

5 This certificate is held by: **BRAIME ELEVATOR COMPONENTS LTD**

6 Address: **Hunslet Road, Leeds, LS10 1JZ**

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 (2001) Ltd. 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. **03(C)0210 dated 10 March 2003**

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

EN50281-1-1:1998

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 :

⊕ II 1D T100°C T_{amb} -20°C to 50°C

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. **4341**

Project File No. **03/0210**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa (2001) Ltd.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



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Schedule

14

Certificate Number Baseefa03ATEX0122

15 Description of Equipment or Protective System

The Type TST1V0A Tilt Switch consists of a nylon, two part, injection moulded, IP6x enclosure 132 mm x 157 mm x 100 mm deep (total) with two nitrile rubber gaskets fitted under the lid and an external tilt pod assembly which is connected via 2 core cable to an electronic circuit within the enclosure with field wiring terminals fitted. The cable to the tilt pod enters the enclosure via an IP65 rated cable gland and is mechanically secured to both the enclosure and pod using a 'U' shaped retainer.

The supply to the tilt pod is limited to intrinsically safe levels with fault protection similar to an 'ia' circuit. The design and switch contacts of the tilt pod are therefore not controlled by this certificate because there is no ignition risk associated with it.

The lid is secured to the body of the enclosure by means of four M5 slotted hexagonal headed steel screws which have nitrile "O" ring retainers fitted.

The external surface of the enclosure is coated with a nickel loaded paint to protect against UV exposure and prevent static charging of the enclosure.

A single M20 gland entry hole is provided in the side of the enclosure. Only approved cable glands with an ingress protection (IP) rating of at least IP6x are suitable for use with this apparatus.

An external M5 earth is also provided on the side of the enclosure. A wire from this is connected to the internal earth terminal.

The whole assembly is secured via a threaded section of the enclosure, at the probe exit.

16 Report Number

03(C)0210

17 Special Conditions for Safe Use

None

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

	Number	Issue	Date	Description
*	A4-15000A	-	24/2/03	Label
	Baseefa03ATEX0121		10/3/03	TST1 Certificate

* This drawing is common to certificate Baseefa03ATEX0121

