

EC - TYPE EXAMINATION CERTIFICATE

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

EC - Type Examination Certificate Number: **Baseefa03ATEX0437**

Equipment or Protective System: **The Hawk Microswitch**

Manufacturer: **Saia-Burgess Gateshead Limited**

Address: **Dukesway, Team Valley Trading Estate, Gateshead, Tyne & Wear
NE11 0UB**

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

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)0390**

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


EN 50014:1997 plus Amendments 1&2, EN 50018:2000 plus Amendment 1, EN 50019:2000

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

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.

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.

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

 **II 2 G**

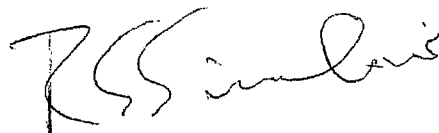
EEx de IIC T6

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

Baseefa (2001) Ltd. Customer Reference No. **0178**

Project File No. **03/0390**

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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Derbyshire, SK17 9BJ

R S SINCLAIR

DIRECTOR

On behalf of

Baseefa (2001) Ltd.



13 **Schedule**

14 **Certificate Number Baseefa03ATEX0437/1**

15 **Description of the variation to the Equipment or Protective System**

Variation 1.1

Removal of one full thread from the cable gland entry hole.

16 **Report Number**

N/A

17 **Special Conditions for Safe Use**

None

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Issue	Date	Description
MS 44733	2	26/9/03	GA



SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa03ATEX0437/1**
- 4 Equipment or Protective System: **The Hawk Microswitch**
- 5 Manufacturer: **Saia-Burgess Gateshead Limited**
- 6 Address: **Gateshead, Tyne & Wear, NE11 0UB**
- 7 This supplementary certificate extends EC - Type Examination Certificate No. Baseefa03ATEX0437 to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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

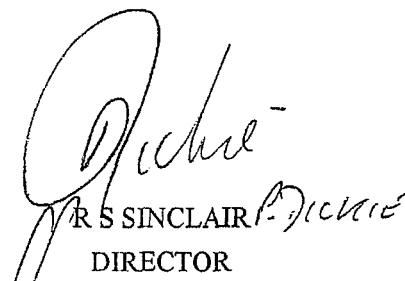
Baseefa (2001) Ltd. Customer Reference No. 0178

Project File No. 03/0830

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Schedule

Certificate Number Baseefa03ATEX0437

13

14

15 Description of Equipment or Protective System

The Hawk Microswitch rated at up to 5A 250V a.c. or 30V d.c., comprises a stainless steel die cast housing within which is a Saia-Burgess Type E1V3C Kestrel switch covered by Certificate Number BAS01ATEX2358U and coded EEx d IIC. The housing cover is secured by two captive clamping screws which pass through a gasket cemented to the cover.

A brass or phosphor bronze threaded sleeve with a central stainless steel plunger passes through a plain hole in the cover and is secured by a locknut. The arrangement is sealed by "O" rings or vulcanised fibre washers and has an integral rubber cowl.

Any suitable actuating mechanism may be employed, held in position by the lock nut and cowl.

The supply to the unit is by means of an integral cable the conductors of which are joined to the Kestrel leads by twisting and soldering prior to insulation with two layers of heatshrink sleeving. The cable is secured by a suitably certified cable gland which clamps the cable. Typically this cable is three core 0.75mm² PVC insulated with either a PVC or synthetic rubber oversheath. An external earth stud is provided.

Variation 0.1

The integral cable is omitted and the unit is provided with flying leads only in which case the gland selected is suitable for conduit which gives mechanical protection to the conductors. With this arrangement an X is added to the certificate number highlighting the need for conduit installation.

16 Report Number

03(C)0390 dated 14 July 2003

17 Special Conditions for Safe Use

1. When used with flying leads the leads shall be adequately mechanically protected by installation in conduit.

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
MS 44733	1	14-07-03	General assembly