



1 EC-TYPE EXAMINATION CERTIFICATE

2 **Component Intended for use on/in an Equipment or Protective System**
3 **Intended for use in Potentially Explosive Atmospheres**
4 **Directive 94/9/EC**

5 EC-Type Examination Certificate Number : **BAS01ATEX2358U**

6 Component: **A TYPE E1V3C/XXXX MICRO SWITCH**

7 Manufacturer: **SAIA-BURGESS GATESHEAD LIMITED**

8 Address: **Gateshead, Tyne and Wear, NE11 0UB**

9 This Component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

10 The Electrical Equipment Certification Service, notified body number 600 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

01(C)0770 dated 15 December 2001

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

EN 50014: 1997 + Amds 1 & 2

EN 50018: 2000

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

12 The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

13 This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

14 The marking of the component shall include the following:-

 **II 2 G** **EEEx d IIC**

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

File No: **EECS 0178/01/007**

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



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I M CLEARE
DIRECTOR
20 December 2001



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Schedule

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Description of Component

The Type E1V3C/XXXX micro switch comprises a Burgess V3C switch mechanism within a molded housing which incorporates a stainless steel bush through which passes a stainless steel plunger. The bush is ultrasonically stacked into the housing. The switch is provided with two or three integral cables, which may be over sheathed.

The last four digits in the type reference relate to variants within the switch mechanism, other variants include a waterproof cowl to the plunger bush to form a Type E1V3CS/XXXX switch, and gold plated contacts to form Types E1V3CGP/XXXX and E1V3CSGP/XXXX switches.

The switches are rated as indicated in the table below.

Voltage	Resistive Load	Tungsten Lamps	Inductive Load
125 a.c.	5	0.5	5
250 a.c.	5	0.5	5
30 d.c.	5	2	3
50 d.c.	1	0.4	1
75 d.c.	0.75	0.3	0.75
125 d.c.	0.5	0.2	0.03
250 d.c.	0.25	0.1	0.03

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Report No

BASEEFA Certification Report No. 01(C)0770 dated 14 December 2001.

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Schedule of Limitations

- 1 The switch housing must be suitably protected from exposure to light and mechanical damage.
- 2 The permanently attached cables shall be suitably protected against mechanical damage and terminated within a terminal or junction facility suitable for the conditions of use.
- 3 The operational temperature range of the switches is -50°C to + 65°C.

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Essential Health and Safety Requirements

Essential Health and Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.0.2	Analysis of possible operating faults	Not applicable
1.0.3	Special checking and maintenance conditions	No special requirements
1.0.6	Instructions	Not applicable
1.2.2	Components for incorporation or replacement	Not applicable
1.2.4	Dust deposits	Certification for gas atmospheres only



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Schedule

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Essential Health and Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.2.5	Additional means of protection	BASEEFA Report No. 01(C)0770
1.2.7	Protection against other hazards	BASEEFA Report No. 01(C)0770
1.3.5	Hazards arising from pressure compensation	Not applicable
1.5.	General requirements for safety devices	Not applicable
1.6.1	Manual override	Not applicable
1.6.2	Emergency shutdown	Not applicable
1.6.3	Hazards arising from power failure	Not applicable
1.6.5	Placing of warning devices as parts of equipment	Not applicable
2.0.	Category M	Not applicable
2.1.	Category 1	Not applicable
2.2.1	Category 2G	BASEEFA Report No. 01(C)0770
2.2.2	Category 2D	Not applicable
2.3.	Category 3	Not applicable
3.	Requirements for protective systems	Not applicable

19 **DRAWING**

Number	Issue	Date	Description
MS 44404	1	31.10.01	General Assembly - E1V3C & E1V3CS Switches

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BASEEFA List Keywords
2SWITCH