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SIRCO CONTROLS LIMITED
Sweynes Industrial Estate
Ashingdon Road, Rochford
Essex, U.K., SS4 1RQ



Ref: DoC/H/H2/UK Iss 1

EU DECLARATION OF CONFORMITY No. DoC/H/H2/UK

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) - Schedule 3A, Part 1**

⊕ II 2 G Ex db IIB + H₂ T6 Gb (T_{amb} -20°C to +60°C)

Type H Series Microswitch Unit

Certificate No. BAS22UKEX0245X

Type H2 Series Microswitch Unit

Certificate No. BAS22UKEX0246X

The EU-Type Examination Certificate and schedules apply to the **Sirco Type ATEX Series H & H2**
Range of Pressure and Temperature Switches compliant to:
EN IEC 60079-0:2018, EN 60079-1:2014

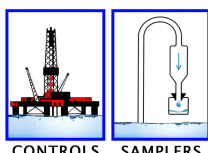
The Schedules apply to the variations in material, electrical ratings and microswitch types, permitted by the Certifying Authority and one or more of the Schedules may apply to the Unit supplied. The whole, however, constitutes the Certificate.

This EU Declaration of Conformity is issued under sole responsibility of Sirco Controls who are Approved by SGS Baseefa Limited to manufacture and affix the mark (Granted under specific rules) to several products. These products comply with the Certified design and the rules of the ATEX Directive and as such, the presence of the affixed label bearing the mark of SGS Baseefa Limited 1180 and the Certificate No. is sufficient proof of the Ex Type Examination Certificate and attached schedules existence. It is not, therefore, mandatory to supply copies of these documents.

Compliance with the Essential Health & Safety Requirements of the Directive has been assured by SGS Baseefa Limited against the requirements of EN IEC 60079-0:2018, EN60079-1:2014.

**Paul Yeomanson
MANAGING DIRECTOR**

**Place: Rochford
Date of Issue: 01.02.23**



Registered in England No. 672489
Registered Office: Charter House, 105 Leigh Road, Leigh on Sea, SS9 1JL



1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

3 UK-Type Examination Certificate Number: **BAS22UKEX0245X**

4 Product: **Type H Series Microswitch Unit**

5 Manufacturer: **Sirco Controls Limited**

6 Address: **Sweynes Industrial Estate, Ashingdon Road, Rochford, Essex, SS4 1RQ**

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

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **22(C)0482**

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

EN IEC 60079-0:2018 EN 60079-1:2014

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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

⊕ II 2 G Ex db IIB + H₂ T6 Gb (Tamb -20°C to +60°C)

SGS Baseefa Customer Reference No. **0997**

Project File No. **22/0482**

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.sgs.com/SGSBaseefa/Terms-and-Conditions.aspx>. 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.

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CH65 3EN



R S Sinclair

R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

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Schedule

14

Certificate Number BAS22UKEX0245X

15 Description of Product

The Type H Series Microswitch Unit comprises a flat flanged housing and cover manufactured from aluminium alloy or cast iron. The cover is attached using 4 screws of grade A2-70 stainless steel. The housing has provision for a threaded bushing with an operating shaft and up to two cable entries. Various specified microswitches can be fitted with various ratings to produce Type references as indicated below:

Type Reference	Rating
H(BZ-2R)	15A Res. 125, 250, 480Vac 0.125 HP. 125Vac, ¼ HP 250Vac 0.25A 250Vdc, ½ A 125Vdc
H(BZ-R)	15A Res. 125, 250, 480Vac 0.125 HP 125Vac, 0.25HP 250Vac
H(BZ-2R-722331)	1A Res. 125Vac 1A Res. 24Vdc 0.5A Ind. 24Vdc
H(MT-4R)	10A Res. 125Vac, 125Vdc 0.25 HP 125Vac, 125Vdc (non-polarised)
H(91SE1)	5A Res. 3A Ind. 28Vdc 5A Res. 5A Ind. 125Vac, 250Vac 50Hz
H(91SE1-3N55)	1A Res. 0.25A Ind. 30Vdc
H(BM-2R)	15A Res. 125, 250, 480Vac 2A Res. 30Vdc, 0.4A Res. 125Vdc 0.2A Res. 230Vdc
H(BM-1R)	15A Res. 125, 250, 480Vac 2A Res. 30Vdc, 0.4A Res. 125Vdc 0.2A Res. 230Vdc

Internal and external earth facilities are provided.

Each housing has provision for a single cable entry device and the thread form (M20 unless otherwise specified) is indicated on the housing. This is for the accommodation of a suitably certified flameproof cable entry device, with or without the interposition of a suitably certified flameproof thread adapter.

16 Report Number

22(C)0482

17 Specific Conditions of Use

1. The maximum plunger / threaded bush flamepath gap shall not exceed 0.1mm

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays etc.)
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
A3-2665/N Baseefa02ATEX0025X	1 of 1	4	22.11.2022	Certification Label Details