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



Ref: DoC/Ex4000/UK Iss 1

UK DECLARATION OF CONFORMITY No. DoC/Ex4000/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 eb IIC T6 Gb Tamb -20°C to +60°C

Certificate No. BAS22UKEX0247

The EU-Type Examination Certificate and schedules apply to the **Sirco Type ATEX Ex4000**
Range of Pressure and Temperature Switches compliant to:
EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-7:2015 + A1:2018

The Schedules apply to the variations in material and electrical ratings permitted by the Certifying Authority.

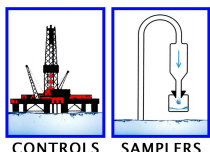
This EU Declaration of Conformity is issued under sole responsibility of Sirco Controls Ltd who are Approved by SGS Baseefa Limited to manufacture and affix the mark (Granted under specific rules) to several products. These products comply with the Certified design and the rules of the ATEX Directive 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, EN IEC 60079-7:2015 +A1:2018.



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: **BAS22UKEX0247**

4 Product: **Type ATEX Ex4000 Pressure Switch**

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)0482/1**

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

EN IEC 60079-0:2018 EN 60079-1:2014 EN IEC 60079-7:2015 + A1:2018

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 eb IIC 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



0191



R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number BAS22UKEX0247**

15 **Description of Product**

Type ATEX Ex4000 Pressure Switch rated for use up to 250V a.c. or d.c. It has a three chamber cast aluminium enclosure comprising a venting chamber, a chamber housing the spring operating plunger assembly and a chamber housing a microswitch and terminal block.

The rectangular terminal chamber has a removable gasketed cover fixed by four M4 x 35mm long Stainless Steel screws of grade A2/A4. The microswitch type 'Kestrel' EIV 3CS-ATEX manufactured by Johnson Electric and covered by BASEEFA Component Certificate No. BAS01ATEX2358U coded Ex db IIC Gb Ta -50°C to +80°C and rated up to 250V/5A. It is fixed by screws to a combined baseplate and mounting bracket which is screwed to the base of the terminal chamber. The flying leads from the microswitch are terminated in a Weidmuller Type BK3/E terminal block covered by Component Certificate No. TUV 18ATEX8209U coded Ex eb IIC Gb which is screwed to the mounting bracket above the microswitch.

The operating plunger passes into the terminal chamber through a screwed adjustment bush. Ingress Protection of at least IP54 is assured by the inclusion of a diaphragm between the venting chamber and the plunger and spring assembly chamber.

Internal and External earthing 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.

VARIATION 0.1

Alternative ratings of the unit as follows:

250V ac 5A RES. or IND.

125V ac 5A RES. or IND.

250V dc 0.25A RES. or 0.03A IND.

125V dc 0.5A RES. or 0.03A IND.

75V dc 0.75A RES. or IND.

50V dc 1A RES. or IND.

30V dc 5A RES. or IND.

VARIATION 0.2

Alternative pressure chambers to meet individual requirements

16 **Report Number**

22(C)0482/1

17 **Specific Conditions of Use**

None

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
A4-3246/A Baseefa03ATEX0128	-	G	24.11.22	ATEX Ex4000 Front Cover Label Detail