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Ashingdon Road, Rochford
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Ref: DoC/Ex4000 Iss 15

EU DECLARATION OF CONFORMITY No. DoC/Ex4000

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
DIRECTIVE 2014/34/EU**

⊕ II 2 G Ex db eb IIC T6 Gb Tamb -20°C to +60°C

Certificate No. Baseefa03ATEX0128—Issue 4

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 Fimko Oy 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 Fimko Oy 0598 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 Fimko Oy against the requirements of EN IEC 60079-0:2018, EN60079-1:2014, EN IEC 60079-7:2015 +A1:2018.

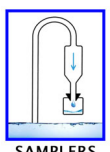


**Paul Yeomanson
MANAGING DIRECTOR**

**Place: Rochford
Date of Issue: 01.11.24**



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



1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 EU - Type Examination Certificate **Baseefa03ATEX0128 – Issue 4**
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

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

5 Manufacturer **Sirco Controls Limited**

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

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa03ATEX0128** to apply to product 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.

8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive 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 Fimko Oy Customer Reference No. **0997**

Project File No. **22/0482**

This document is issued by the Company subject to their General Conditions for Certification Services accessible at <http://www.sgs.com/en/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 their 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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Mikko Välimäki
Authorised Signatory for SGS Fimko Oy

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Schedule

14

Certificate Number Baseefa03ATEX0128 – Issue 4

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

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
A3-3247/A	1 of 1	K	24.11.22	ATEX Ex4000 Pressure Switch – General Assembly
A4-3246/A	1 of 1	G	24.11.22	ATEX Ex4000 Front Cover Label Detail

20 Certificate History

Certificate No.	Date	Comments
Baseefa03ATEX0128	27 March 2003	The release of the prime certificate. The associated test and assessment against the requirements of EN 50014: 1997+ amd. 1 & 2, EN 50018: 2000 and EN 50019: 2000 is documented in Test Report No. 02(C)0088
Baseefa03ATEX0128/1	12 June 2013	To review against additional design and test requirements of EN 60079-0: 2012, EN 60079-1: 2007 and EN 60079-7: 2007 as documented in Test Report 12(C)0888
Baseefa03ATEX0128/2	29 July 2016	To review against additional design and test requirements of EN 60079-0: 2012 + A11 2013, EN 60079-1: 2014 and EN 60079-7: 2015 as documented in Test Report No. 16(C)0434
Baseefa03ATEX0128/3	21 May 2018	Introduce M4 x 35mm long Stainless Steel screws of grade A2/A4 for the Cover/Label screws as documented in Report 18(C)0235
Baseefa03ATEX0128 Issue 4	10 January 2023	To review against additional design and test requirements of EN IEC 60079-0: 2018 & EN IEC 60079-7: 2015 + A1: 2018 and is documented in Test Report No. 22(C)0482/1 and also introduce the following variations: To allow the update of Weidmuller Type BK/3E terminal block covered by Component Certificate No. TUV 18ATEX8209U coded Ex eb IIC Gb Remove the optional Electrical Entry Thread Forms ¾” ET, Pg13.5 and ½” NPT

For drawings applicable to each issue, see original of that issue.