

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 **BAS01ATEX2426X – Issue 11**
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: **Series 200 Pressure Switch**

5 Manufacturer: **Delta Mobrey Limited**

6 Address: **Hudson House, Albany Park, Camberley, Surrey, UK, GU16 7PL, UK**

7 This re-issued certificate extends EC Type Examination Certificate No. **BAS01ATEX2426X** 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. **See Certificate History**

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

EN IEC 60079-0:2018 **EN60079-1:2014** **EN60079-31:2014**

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 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 GD **Ex db IIC T4 (T_{amb} - 60°C to + 80°C) Gb**
Ex tb IIIC T135°C (T_{amb} - 60°C to + 80°C) Db IP66 and

Ex db IIC T6 (T_{amb} - 60°C to + 40°C) Gb
Ex tb IIIC T85°C (T_{amb} - 60°C to + 40°C) Db IP66

SGS Fimko Oy Customer Reference No. **0279**

Project File No. **21/0515**

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Tuomas Hänninen
SGS Fimko Oy

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Schedule

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Certificate Number BAS01ATEX2426X – Issue 10

15 Description of Product

A Series 200 Pressure Switch comprising an enclosure, with threaded cover, manufactured in cast aluminium or cast iron. The cover is secured with an integral locking arrangement.

The interior of the enclosure is fitted with up to two micro switches rated up to 10A, 440 Vac or 1A 48 Vdc, with associated switch assembly and a terminal block. The switch assembly is mechanically linked to an externally mounted pressure or temperature sensing actuator by means of a stainless steel operating rod which passes through a stainless steel bushing screwed into the base of the housing and secured by a lock nut.

The optional addition of fault monitoring resistors in accordance with the certified scheduled drawings is permitted, with the apparatus rated up to a maximum of 30V d.c. In this form the enclosure is fitted with a label stating “Do not open when an explosive atmosphere is present.”

Cable entry holes are provided as specified on the certified drawings for the accommodation of suitable certified flameproof cable entry devices, with or without the interposition of a suitable certified flameproof adapter. Unused entries are to be fitted with suitable certified flameproof stopping plugs.

Suitable flameproof cable entry devices, thread adaptors and stopping plugs certified as Equipment (not a component) under an EU type Examination Certificate to Directive 2014/34/EU may also be used in the manner specified above.

This certificate covers the following alternative arrangements:

TYPE	SERIES
Pressure Switch	200 to 209, 230 to 239, 280 to 289
Differential Pressure Switch	300 to 309, 380 to 389
Temperature Switch	720 to 749, 760 to 769, 780 to 799
Flow Switch	131

16 Report Number

See certificate history.

17 Specific Conditions of Use

1. The flamepaths are not to be repaired
2. Potential Electrostatic Charging Hazard. Clean only with a damp cloth

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
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents


New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
50023	1	D	09/09/2021	Performance Assembly Guide Drawing Force Balance
50025	1	D	12/06/2024	Enclosure ASS (Mounting Balance)
14608	1	C	07/06/2024	Stopping Plug Variation
14621	1	E	12/10/2021	Label Details
14611	1	F	12/10/2021	Monitoring Resistor Details
14622	1	C	06/06/2024	Basic Arrangement 740
14623	1	D	19/07/2022	General arrangement Series 131
14606	1	K	09/09/2021	Enclosure Assy - Classic
71097-PE-001	19	A	03/07/2024	Technical Specification for Flame Proof "Performance" Series Switches
71097-ZZ-001	5	A	22/04/2022	Technical Specification for sealing, grease and bonding materials used on switches

These drawings are common to certificate number Baseefa01ATEX2426X and BAS22UKEX0262X and IECEx SGS 24.0015X.

Current drawings also associated with this certificate: None

20 Certificate History

Certificate No.	Date	Comments
BAS01ATEX2426X	11 March 2002	The release of the prime certificate. The associated test and assessment against the requirements of EN 50014:1997+Amendments 1&2, EN 50018:2000 is documented in Test Report No. 00(C)0783.
BAS01ATEX2426X/1	17 November 2003	Alternative end of line resistor
BAS01ATEX2426X/2	8 January 2004	Increase in the maximum working pressure for the Series 304 Differential Pressure Switch from 250 bar to 400 bar
BAS01ATEX2426X/3	26 February 2004	To permit the equipment to be used in explosive dust atmospheres, in accordance with EN 50281-1-1: 1998 + Amendment 1, in addition to explosive gases, mists and vapours. The warning included on the information now label reads ' Do not open when an explosive atmosphere is present ', IP6X is added to the certification label and the marking for the equipment is modified as follows:  II 2 GD EEx d IIC T85°C (T _{amb} -60°C to +40°C) T135°C (T _{amb} -60°C to +80°C)
BAS01ATEX2426X/4	13 May 2004	Increase in the maximum drilling depths for internal and external mounting holes. Clarification of information label details.
BAS01ATEX2426X/5	8 June 2005	To permit the fitting of alternative terminal block types.

Certificate No.	Date	Comments
BAS01ATEX2426X/6	16 July 2007	To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2006, EN 60079-1: 2004, EN 61241-0: 2006 and EN 61241-1: 2004 in respect of the differences from EN 50014: 1997 + Amds. 1 and 2, EN50018: 2000 and EN50281-1-1: 1998+ Amendment 1 respectively and that none of these differences affect this equipment Ⓢ II 2 GD Exd IIC T6 T85 A21 IP66 (T _{amb} -60°C to +40°C) Or Exd IIC T4 T135 A21 IP66 (T _{amb} -60°C to +80°C)
BAS01ATEX2426X/7	24 August 2007	Fitting of additional labels to identify cable entry threads and for identification purposes. Fitting of an additional, KOSHA, certification label.
BAS01ATEX2426X/8	8 February 2012	The equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2009, EN60079-1: 2007 and EN60079-31: 2009 and compliance is confirmed. The series 200 pressure switch is marked:- Ⓢ II 2 GD Ex d IIC T4 (T _{amb} - 60°C to + 80°C) Gb Ex tb IIIC T135°C (T _{amb} - 60°C to + 80°C) Db IP66 and Ex d IIC T6 (T _{amb} - 60°C to + 40°C) Gb Ex tb IIIC T85°C (T _{amb} - 60°C to + 40°C) Db IP66
BAS01ATEX2426X/9	5 November 2015	The equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2012 +A11:2013, EN60079-1: 2014 and EN60079-31: 2014 and compliance is confirmed. The series 200 pressure switch is marked:- Ⓢ II 2 GD Ex db IIC T4 (T _{amb} - 60°C to + 80°C) Gb Ex tb IIIC T135°C (T _{amb} - 60°C to + 80°C) Db IP66 and Ex db IIC T6 (T _{amb} - 60°C to + 40°C) Gb Ex tb IIIC T85°C (T _{amb} - 60°C to + 40°C) Db IP66 Drawings have also been updated to include new address. Deletion of drawing number 14880 "Certification label for KOSHA"
BAS01ATEX2426X Issue 10	8 January 2018	The manufacturer requests supplementary certification to permit the Introduction of an alternative microswitch or contacts, having a maximum rating of 1A at 48v DC Drawing 14606 has been amended to reflect this. See report 17(C)0649
BAS01ATEX2426X Issue 11	22 July 2024	- To Update the certificate to EN IEC 60079-0:2018 - To update the model numbering and include a similar model - To permit minor drawings changes - To change the address and name of company on certificates. See report GB/SGS/ExTR24.0042/00.
For drawings applicable to each issue, see original of that issue.		