

1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**  
**Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **BAS01ATEX2426X – Issue 9**

4 Equipment or Protective System: **Series 200 Pressure Switch**

5 Manufacturer: **Delta Controls Limited**

6 Address: **Riverside Business Park, Dogflud Way, Farnham, Surrey, GU9 7SS**

7 This re-issued certificate extends EC – Type Examination Certificate No. BAS01ATEX2426X to apply to equipment or protective systems 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 The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa, Notified Body Number 1180, is responsible only for the additional work relating to this re-issued certificate and any other supplementary certificate it has issued.

The examination and test results are recorded in confidential Report No's. **See Certificate History**

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

**EN 60079-0:2012+A11:2013 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 equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**(Ex) II 2 GD Ex db IIC T4 (T<sub>amb</sub> - 60°C to + 80°C) Gb**  
**Ex tb IIIC T135°C (T<sub>amb</sub> - 60°C to + 80°C) Db IP66**  
**and**  
**Ex db IIC T6 (T<sub>amb</sub> - 60°C to + 40°C) Gb**  
**Ex tb IIIC T85°C (T<sub>amb</sub> - 60°C to + 40°C) Db IP66**

Baseefa Customer Reference No. **0279**

Project File No. **15/0581**

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.baseefa.com/terms-and-conditions.asp>. 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.

**SGS Baseefa Limited**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

*PP M. Sinclair*  
**R S SINCLAIR**

**GENERAL MANAGER**

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number BAS01ATEX2426 – Issue 9**

15 **Description of Equipment or Protective System**

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, 440V a.c. 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 EC type Examination Certificate to Directive 94/9/EC may also be used in the manner specified above.

This certificate covers the following alternative arrangements:

TYPE	SERIES
Pressure Switch	204,207,208,209,230,280.
Differential Pressure Switch	301,304,306,380.
Temperature Switch	721,729,731 to 739,771 to 779, 740,760,780.
Flow Switch	131.

16 **Report Number**

None.

17 **Specific Conditions of Use**

1. The apparatus has a specified flamepath gap, between the operating rod within the bore of the bushing, which is less than the maximum permitted by the standard EN 60079-1:2014. The user shall ensure that, in service, the diametrical clearance of this flamepath does not exceed 0.1mm.

18 **Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 **Drawings and Documents**

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
14610	-	G	22/09/2015	Certification Label ATEX
14754	-	E	22/09/2015	Labels
DS_20322	-	B	22/09/2015	Additional Labels
14620	-	B	19/11/2014	Alternative mechanism Series 280, 380, & 780



Number	Sheet	Issue	Date	Description
14744	-	B	19/11/2014	Inlet Port arrangement
14608	-	B	19/11/2014	Stopping Plug Variation
14621	-	C	28/10/2014	Label Details
14622	-	B	19/11/2014	General arrangement Series 740 & 760
10910	-	C	28/10/2014	Connection Diagram – 12K Resistors
14611	-	D	28/10/2014	Monitoring Resistor Details
14623	-	C	17/04/2015	General arrangement Series 131
14606	-	I	19/11/2014	General arrangement

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
1/50023	-	B	23/12/03	Actuator Details
1/50025	-	C	5/05/05	General arrangement Series 230

## 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 ' <b>Do not open when an explosive atmosphere is present</b> ', 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 <sub>amb</sub> -60°C to +40°C) T135°C (T <sub>amb</sub> -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.
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 <sub>amb</sub> -60°C to +40°C) Or Exd IIC T4 T135 A21 IP66 (T <sub>amb</sub> -60°C to +80°C)

Certificate No.	Date	Comments
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	<p>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.</p> <p>The series 200 pressure switch is marked:-</p> <p>⊕ II 2 GD Ex d IIC T4 (T<sub>amb</sub> - 60°C to + 80°C) Gb Ex tb IIIC T135°C (T<sub>amb</sub> - 60°C to + 80°C) Db IP66 and Ex d IIC T6 (T<sub>amb</sub> - 60°C to + 40°C) Gb Ex tb IIIC T85°C (T<sub>amb</sub> - 60°C to + 40°C) Db IP66</p>
BAS01ATEX2426X/9	5 November 2015	<p>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.</p> <p>The series 200 pressure switch is marked:-</p> <p>⊕ II 2 GD Ex db IIC T4 (T<sub>amb</sub> - 60°C to + 80°C) Gb Ex tb IIIC T135°C (T<sub>amb</sub> - 60°C to + 80°C) Db IP66 and Ex db IIC T6 (T<sub>amb</sub> - 60°C to + 40°C) Gb Ex tb IIIC T85°C (T<sub>amb</sub> - 60°C to + 40°C) Db IP66</p> <p>Drawings have also been updated to include new address. Deletion of drawing number 14880 "Certification label for KOSHA"</p>
For drawings applicable to each issue, see original of that issue.		