

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 **Baseefa02ATEX0214X – Issue 9**
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: **GR2 Pressure Switch**

5 Manufacturer: **Delta Mobrey Limited**

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

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa02ATEX0124X** 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 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 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 2G Ex db IIC T6 Gb Ta -40°C to +60°C
Ex db IIC T4 Gb Ta -40°C to +85°C**

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

Project File No. **21/0515**

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Schedule

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Certificate Number Baseefa02ATEX0214X – Issue 9

15 Description of Product

The Type GR2 Pressure Switch comprises a cast aluminium outer housing into which screws a hermetically sealed microswitch assembly secured in position by a combined locking and external earth plate. The welded stainless steel microswitch assembly houses up to two microswitches each rated up to 250V a.c., 11A, and the electrical connections are provided by permanently attached leads passing through specified potting compound.

At the process end of the housing, an operating shaft passes through a threaded bush which is secured into a threaded entry in the housing using a thread locking compound. The operating shaft is retained using an enlarged internal diameter and/or a circlip. The outer housing is provided with a venting arrangement to prevent process pressure from entering the flameproof part of the housing.

Cable entry holes are provided as specified on the certificate schedule drawings for the accommodation of suitably certified flameproof cable entry devices, with or without the interposition of a suitably certified flameproof thread adapter. Any unused cable entry hole is to be fitted with a suitably certified flameproof stopping plug.

Suitable flameproof cable entry devices, thread adapters and stopping plugs certified as Equipment (not a Component).

16 Report Number

See certificate history.

17 Specific Conditions of Use

1. The permanently attached leads must be suitably protected against mechanical damage and terminated in a suitable junction or terminal facility.
2. The flamepaths are not to be repaired.

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
1.4.1	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
14624	1	F	05/11/2021	General Arrangement
14625	1	G	18/01/2024	Flameproof nameplate for GR
14626	1	H	01/12/2021	½"-14 NPT Switch housing
14627	1	B	22/11/2021	GR3/6/7 Details
71097-GR-003	1	A	29/03/2024	M20 Switch housing
71097-GR-001	20	A	04/04/2024	Technical Specification for Flameproof "Compact - GR" Series Switches

Current drawings which remain unaffected by this issue:

None.

20 Certificate History

Certificate No.	Date	Comments
Baseefa02ATEX0214X	20 January 2003	The release of the prime certificate. The associated test and assessment against the requirements of EN 50014: 1997 + Amendments 1 & 2 and EN 50018: 2000 is documented in Test Report No. 02(C)0227.
Baseefa02ATEX0214X/1	11 August 2004	Optional alternative vent arrangement incorporating the existing venting device with the addition of a cover plate and seal fitted to the Type GR2 and GR4 variants only. Baseefa Report No 04(CI)0588.
Baseefa02ATEX0214X/2	18 August 2004	Alternative process connection attached to the outer housing of the type GR2 switch to provide a vacuum and compound switch. No report allocated.
Baseefa02ATEX0214X/3	24 June 2005	This issue of the certificate is to add Optional alternative vent arrangement incorporating a vent hole of increased diameter fitted with a drilled rubber disc; along with Clarification of label thickness which is now 0.5mm ±0.3. Baseefa Report No 05(CI)0099.
Baseefa02ATEX0214X/4	1 September 2008	To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2006, EN60079-1: 2004, in respect of the differences from EN 50014:1997 + Amendments 1 and 2 and EN50018: 2000 respectively, and that none of these differences affect this equipment. Baseefa Certification Report 08(C)0087
Baseefa02ATEX0214X/5	11 November 2008	To allow the M32 male thread tolerance class on the Snap Switch assembly to increase up to a g9 fit with the M32 female tolerance class remaining at H7 Baseefa Certification Report 08(C)0603
Baseefa02ATEX0214X/6	19 January 2010	Miscellaneous changes to the snap switch assembly including an alternative M20 male cable entry thread, an alternative potting material, and a single piece body option. In addition the various labels may be replaced with marking direct onto the enclosure body. Baseefa Confidential Report No. 09(C)0600
Baseefa02ATEX0214X/7	24 February 2017	To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2012 +A11: 2013 and EN60079-1: 2014, in respect of the differences from EN 60079-0: 2006 and EN60079-1: 2004 respectively. Also, to note change of company address. SGS Baseefa certification report 14(C)0924.

Certificate No.	Date	Comments
Baseefa02ATEX0214X Issue 8	8 August 2021	To assess the product against the requirements of EN IEC 60079-0: 2018. SGS Baseefa Certification Report 21(C)0151/01 This issue of the certificate incorporates the Prime and Supplement certificates into 1 certificate.
Baseefa02ATEX0214X Issue 9	30 May 2024	To update standard to EN IEC 60079-0: 2018, minor drawing changes and change of company name and address. SGS certification report 21(C)0515-01.
For drawings applicable to each issue, see original of that issue.		