

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: **BAS21UKEX0636X Issue 0**

4 Product: **GR2 Pressure Switch**

5 Manufacturer: **Delta Mobrey Limited**

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

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS United Kingdom Ltd. (formerly SGS Baseefa Ltd.), Approved Body number 1180, in accordance with Regulations 42 and 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 a confidential report identified in the revision table at item 20.

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 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 2G Ex db IIC T6 Gb Ta -40°C to +60°C**  
**Ex db IIC T4 Gb Ta -40°C to +85°C**

SGS Customer Reference No. **0279**

Project File No. **21/0515**

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M POWNEY  
CERTIFICATION MANAGER  
On behalf of SGS United Kingdom Limited

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## Schedule

14

### Certificate Number BAS21UKEX0636X – Issue 0

#### 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 Item 20 – 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

Other than for Issue 0, Drawings and Documents that are introduced at a new edition of the certificate are marked with an asterisk symbol:

Number	Sheet	Issue	Date	Description
14625	1	G	18/01/2024	Flameproof nameplate for GR

For all drawings see certificate Baseefa02ATEX0214X latest issue.



20 Certificate History

Certificate No.	Date	Comments
BAS21UKEX0636X Issue 0	30 May 2024	<b>Prime Certificate</b> <b>Report Number: 21(C)0515-01</b> <b>Project Number: 21/0515</b> <b>Original issue of the certificate</b>
For drawings applicable to each issue, see original of that issue.		