

EU-TYPE EXAMINATION CERTIFICATE

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

- EU-Type Examination Certificate Number:** ITS03ATEX11510X **Issue 12**
- Product:** VM Pressure Switch
- Manufacturer:** Delta Mobrey Ltd
- Address:** Riverside Business Park, Dogflud Way, Farnham, Surrey, GU9 7SS
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the 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 of the Directive.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2018, EN 60079-1:2014 and EN 60079-31:2014 except in respect of those requirements referred to within item 14 of the Schedule.
- If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- 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.
- The marking of the product shall include the following:



Ex db IIC T6 Gb -55/35 or 20°C (dependant on O-ring type) ≤ Ta ≤ 65°C
 Ex db IIC T5 Gb -55/35 or 20°C (dependant on O-ring type) ≤ Ta ≤ 80°C
 II 2 GD Ex tb IIIC T75 Db -55/35 or 20°C (dependant on O-ring type) ≤ Ta ≤ 65°C
 Ex tb IIIC T90 Db -55/35 or 20°C (dependant on O-ring type) ≤ Ta ≤ 80°C

Certification Officer:

Vijay K Varma

V K Varma

Date:

12 February 2020

In accordance with EC NOTICE TO STAKEHOLDERS WITHDRAWAL OF THE UNITED KINGDOM AND EU RULES IN THE FIELD OF INDUSTRIAL PRODUCTS dated 13 March 2020.

This issued certificate - Certificate No:ITS03ATEX11510X

and supporting Technical Construction File underwent a legal transfer of new ownership by signed agreement between the named applicant on this certificate and the 3rd party bodies involved in the transfer from NB0359 to NB2575 on 31 December 2020

Name: Fabrizio Massei

Position: ATEX Certification Officer

Signature:

Date: 31 December 2020

SCHEDULE:

EU-Type Examination Certificate Number: ITS03ATEX11510X Issue 12

11. Description of Equipment or Protective System

The RVM SERIES Switch comprises a cast stainless steel body containing one or two micro switches. Process pressure is sensed by a diaphragm that generates a force proportional to the applied pressure. This force is opposed by an adjustable spring that, at the point of equilibrium, permits movement of an operating rod which actuates the switch or switches. Various ranges can be provided depending on the diaphragm and the spring rating. The RVM2 SERIES Switch body has a threaded cover, which is locked against loosening.

The switches are rated at 5A max, 110/250V ac, 2A 30 Vdc or 1A 125V ac, 0.1A 30V dc

Both internal and external earthing facilities are provided.

A cable entry hole is provided for the accommodation of a suitable certified flameproof cable gland, with or without the interposition of a suitable certified flameproof thread adaptor.

12. Report Number

Intertek Report: 103309379LHD-001 dated 14 January 2020

13. Special Conditions of Certification

(a). Special Conditions of Use

- Use high temperature cable suitable for at least 100°C. See manual for further information.
- The cable gland, stopping plug or blanking element used shall be Ex d/tb IIC/IIIC Gb/Db rated for a service temperature of -55°C to +100°C minimum.
- Only one suitably rated and approved thread adaptor shall be used when one is required
- Flamepaths are not intended to be repaired

(b). Conditions of Manufacture - Routine Tests

None- The enclosure has passed the 4 time overpressure exemption from routine test

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 103309379LHD-001 dated 14 January 2020

15. Drawings and Documents.

Title:	Drawing No.:	Rev. Level:	Date:
Enclosure assembly – RVM Series ATEX Approval	14719	O	20/12/19
Marking for RVM2 Series – ATEX Approval	14720	J	20/12/19

16. Details of Certificate changes

Description Drawings and Documents

Changes to Issue 1

Intertek project: 03010578 Issue 1, dated September 2003. Original Issue Increase in the operating pressure up to 1000 bar with optional designation as RVM4.

SCHEDULE:

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Changes for Issue 2:

Intertek project 04013260B Issue 1 dated April 2004. Inclusion of D for dust protection in the ATEX Code.

Changes for Issue 3:

Intertek project 04014549 dated July 2004 - Minor drawing changes to clarify details and minor change to label detail and increase in the body height by 3mm

Changes for Issue 4:

Intertek project 04015512 dated November 2004 - Minor drawing changes to ease production

Changes for Issue 5:

Intertek project 08034230 dated June 2008. Minor drawing alterations

Changes for Issue 6:

Intertek project 04015512 Issue 1 dated November 2004 – Minor drawing alterations

Changes for Issue 7:

Intertek project: 11051211 Issue 1 dated November 2011 – Standard update to EN 60079-0:2009, EN 60079-1:2007 and EN 60079-31:2009. Exemption from routine pressure testing by passing 4 x routine pressure test of 45.68 bar.

Changes for Issue 8:

Intertek project: G101164753 dated June 2013 (March 2014) – Update to drawing 14719 to ease production and which now stands at amendment level K. The changes do not impair the safe use of the product

Changes for Issue 9:

Intertek project dated 13 November 2014

Changes for Issue 10

Intertek project dated 11 December 2014

Changes for Issue 11:

Intertek project: G101864764 – Update of Address

Changes for Issue 12:

Intertek project: G103309379 – Update of manufacturer name to Delta-Mobrey Ltd. The Option of 3 alternative O-ring material types of Viton, FluroSilicone and Nitrile. Update to latest harmonised standard EN 60079-0:2018, EN 60079-1:2014 and EN 60079-31:2014.