

UK-TYPE EXAMINATION CERTIFICATE

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number:** ITS21UKEX0034 **Issue 0**
- Product:** TYPE ULS AND VLS UNIVERSAL LIMIT SWITCH BOX Types 003 and 00G
- Manufacturer:** KINETROL LIMITED
- Address:** Trading Estate, Farnham, Surrey, GU9 9NU
- 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, Approved Body number 0359, in accordance with Regulation 42 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 the confidential report 104048444BLHD-001 dated 26th September 2024.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-7:2015+A1:2018 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 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.
- The marking of the product shall include the following:



II 2 G Ex db eb IIC T6 Gb
II 2 D Ex tb IIIC T80°C Db (For VLS options only)
-20°C ≤ Ta ≤ +70°C

Certification Officer: _____

Mark Newman

Date: _____

27th September 2024

SCHEDULE:

UK-Type Examination Certificate Number: ITS21UKEX0035X Issue 0

11. Description of Product or Protective System

Type ULS and VLS Universal Limit Switch Box types 003 and 00G consist of an Increased Safety enclosure fitted with Component approved Flameproof switches EPS 14 ATEX 1688U and Increased Safety terminals TUV 18 ATEX 8209U.

The equipment is to be fitted to valve actuators in the Kinetrol range 03 to 15 to indicate the position of quarter turn valves. The switch box is mounted onto valve actuators by means of two or four screws and a square section shaft. Discrete mount versions may be fitted to other devices by four screws and either a square section or flat sided shaft.

The equipment is rated for use at 250 Vac with a maximum current rating of 4 A per switch, both internal and external earthing facilities are provided.

UKCA Marking shall be accompanied by the identification number of the Approved Body responsible for surveillance of production.

12. Report Number

Intertek Report: 104048444BLHD-001 dated 26th September 2024.

13. Special Conditions of Certification

(a). Special Conditions of Use

- None.

(b). Conditions of Manufacture - Routine Tests

- A routine dielectric strength test in accordance with clause 6.1 of EN 60079-7 where working voltages exceeding 90 V peak are present: $(1\ 000 + 2U)$ V r.m.s. or 1 500 V r.m.s. , whichever is greater, where U is the working voltage.

D.C. test voltages are permitted as an alternative to the specified a.c. test voltage and shall be 140 % of the specified a.c., r.m.s. test voltage.

Alternatively, a test shall be carried out at 1,2 times the test voltage, but maintained for at least 100 ms.

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104048444BLHD-001 dated 26th September 2024.

SCHEDULE:

UK-Type Examination Certificate Number: ITS21UKEX0035X Issue 0

15. Drawings and Documents

| Title: | Drawing No.: | Rev. Level: | Date: |
|--|---------------|-------------|----------|
| Universal Limit Switch Box Assemblies Approved for Protection Ex db eb II C T6 | 305-000-046 | G | 05/03/21 |
| VLS Coupling Assembly Approval Drawing | 305-000-085-1 | B | 10/12/20 |
| VLS Box Approval Drawing | 305-420-013 | C | 18/01/21 |
| VLS Box Approval Drawing | 305-440-013 | C | 18/01/21 |
| VLS LID Approval Drawing | 305-401-002 | C | 04/03/21 |
| VLS Box General Construction and Labelling | 305-000-209 | F | 03/03/21 |
| 003/00G Approved Label Blank | 305-144-1 | B | 23/03/21 |
| ULS Instructions – Type 003 | KF-434-03/21 | MAR 21 | 01/03/21 |

