



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX ITS 20.0047** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-09-27

Applicant: **KINETROL LIMITED**
Trading Estate
Farnham
Surrey
GU9 9NU
United Kingdom

Equipment: **TYPE ULS and VLS UNIVERSAL LIMIT SWITCH BOX Types 003 & 00G**

Optional accessory:

Type of Protection: **Ex db eb tb**

Marking: IECEx ITS 20.0047
Ex db eb IIC T6 Gb
Ex tb IIIC T80°C Db (For VLS Options only)
-20°C ≤ Ta ≤ 70°C

Approved for issue on behalf of the IECEx
Certification Body:

Mark Newman

Position:

Certificate Officer

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road
Leatherhead
Surrey, KT22 7SA
United Kingdom

intertek



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Page 2 of 3

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Manufacturer: **KINETROL LIMITED**
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Manufacturing
locations: **KINETROL LIMITED**
Trading Estate
Farnham
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This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/ITS/ExTR24.0028/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0011/11](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Type VLS / ULS Universal Limit Switch Box consists of an Increased Safety enclosure fitted with Component approved Flameproof switches IECEx EPS 14.038U and Increased Safety terminals IECEx TUR 18.0019U.

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.

SPECIFIC CONDITIONS OF USE: NO

Annex:

[Annex for IECEx Certificate of Conformity - IECEx ITS 20.0047.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ITS 20.0047	Issue No. 0
Annex No. 1		

Technical 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 Box General Construction and Labelling	305-000-209	F	03/03/21
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
ULSVLS 003/00G Approved Label	305-144-1	B	23/03/21
Installation Instructions Type ULS EExe d IIC T6 Box suitable for direct mount to Kinetrol actuators size range: 03 to 15 & discrete mount option switch type: 003	KF-434-03/21	-	03/21

IECEX Certified Components on Which Conformance Depends					
Item	Description	Manufacturer	Type	Certificate No. / Standards*	Coding / Ratings
1	Component approved Flameproof switches	Bartec GmbH	Built in switch mini type 07-1501-****/****	IECEX EPS 14.038U IEC 60079-0: 2017 Ed 7.0 IEC 60079-7: 2014 Ed 7.0	Ex db IIC Gb Ex db I Mb
2	Increased Safety terminals	Weidmüller Interface GmbH	MK BK Series	IECEX TUR 18.0019U IEC 60079-0: 2017 Ed 7.0 IEC 60079-7: 2017 Ed 5.1	Ex eb IIC Gb

Required Manufacturer Routine Testing		
Test	Title/Description of Test	Standard and Clause
1	A routine dielectric strength test in accordance with clause 6.1 of IEC 60079-7 shall be conducted at 1 500 V r.m.s. for 60 seconds. 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.	6.1 of IEC 60079-7