



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx ITS 19.0015X

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-09-03\)](#)

Status: **Current**

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Date of Issue: **2019-09-03**

Applicant: **Heinzmann UK Ltd**
Stanley House
Wallis Road
Skippers Lane Industrial Estate
Middlesbrough
TS6 6JB
United Kingdom

Equipment: **EVO-Lite Rotary Actuator**

Optional accessory:

Type of Protection: **Flameproof**

Marking:

Ex db IIC T4 Gb

-20°C ≤ Ta ≤ +85°C

IECEX ITS 19.0015X

*Approved for issue on behalf of the IECEx
Certification Body:*

P Moss

Position:

Certification Officer

*Signature:
(for printed version)*

Date:

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 the [Official IECEx Website](#).

Certificate issued by:

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





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Manufacturer: **Heinzmann UK Ltd**
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Additional Manufacturing location(s):

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 apparatus 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 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

*This Certificate **does not** indicate compliance with electrical 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/ExTR17.0028/00](#)

Quality Assessment Report:

[GB/ITS/QAR13.0017/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The EVO-Lite is a rotary actuator. It consists of an Ex d enclosure that houses the electronics and motor with the motor operating an actuator rod which passes through the bottom flange of the enclosure which is externally connected to a gearbox (gearbox is not covered by this certification).

The enclosure consists of a main casing manufactured from either aluminium, mild steel or stainless steel. Both ends of the casing are threaded and fitted with a top and bottom flange (both manufactured from either aluminium, mild steel or stainless steel). The top flange includes an additional internal thread onto which is screwed a cover (manufactured from aluminium) for user access to the connection terminals. Up to four cable entries are provided in the side of the top flange and these must be fitted with either suitably certified Ex d IIC Gb cable glands or blanking elements. Fitted to the bottom flange is a Super Oilite bush forming a cylindrical interference fit flamepath. The operating rod (manufactured from mild steel) runs through the Super Oilite bush forming a cylindrical flamepath. There are three designs of actuator, all with different bottom flanges, dependant on type of gearbox the actuator is to be fitted to. Overall enclosure dimensions are: Diameter = 185mm, Length = 222mm or 249mm (dependant on gearbox type).

Both internal and external earthing connection facilities are provided.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Temperature at the branching point and cable entry can reach 96.87°C and 93.83°C respectively, suitably rated cable and glands must be selected.
2. No modification must be made to the flamepaths of the enclosure without prior consultation with the manufacturer.

Annex:

[Annex to IECEx ITS 19.0015X Issue 0.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ITS 19.0015X	Issue No. 0
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
EVO LITE GA (BOTTOM FLANGE TO SUIT PLE060 20:1 GEARBOX)	HUK2721 (SHEET 1 OF 3)	I	16/08/2019
EVO LITE GA (BOTTOM FLANGE TO SUIT PLQE120 256:1 GEARBOX)	HUK2721 (SHEET 2 OF 3)	I	16/08/2019
EVO LITE GA (BOTTOM FLANGE TO SUIT PLFE064 10:1 GEARBOX)	HUK2721 (SHEET 3 OF 3)	I	16/08/2019
EVO LITE SERIAL NUMBER LABEL	HUK2749	G	15/08/19
WARNING LABEL	HUK2768	A	16/01/2019
EVO LITE MANUAL: EX-ANNEX	HUK.UM.4000.EX-Annex	Ex.1	30/08/2019

Certificate issued by:

intertek

Total Quality. Assured.

Intertek Testing & Certification Limited
Intertek House, Cleeve Road,
Leatherhead, Surrey, KT22 7SA
Tel: +44 (0)1372 370900 Fax: +44
(0)1372 370977

<http://www.intertek.com>

Registered No 3272281. Registered
Office: Academy Place, 1-9 Brook
Street, Brentwood, Essex, CM14 5NQ

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