



# 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](http://www.iecex.com)

Certificate No.: **IECEX ITS 19.0029X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-04-27

Applicant: **Heinzmann UK Limited**  
Stanley House, Wallis Road, Skippers Lane Ind. Estate, Middlesbrough, TS6 6JB  
**United Kingdom**

Equipment: **EVO III Rotary Actuator**

Optional accessory:

Type of Protection: **Flameproof (Ex d)**

Marking: Ex db IIC T4 Gb  
-20°C to +85°C  
IECEX ITS 19.0029X

Approved for issue on behalf of the IECEx  
Certification Body:

**Mark Newman**

Position:

**Certificate Officer**

Signature:  
(for printed version)

Date:

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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](http://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



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Manufacturer: **Heinzmann UK Limited**  
Stanley House, Wallis Road, Skippers Lane Ind. Estate, Middlesbrough, TS6 6JB  
**United Kingdom**

Additional  
manufacturing  
locations:

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 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

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/ExTR19.0027/00](#)

Quality Assessment Report:

[GB/ITS/QAR13.0017/05](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The EVO III is a rotary actuator. It consists of an Ex d enclosure that houses the electronics, equipment certified pressure sensors (IECEx DEK 15.0048X) 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 manganese bronze bush forming a cylindrical interference fit flamepath. The operating rod (manufactured from mild steel) runs through the manganese bronze bush forming a cylindrical flamepath. Overall enclosure dimensions are: Diameter = 240mm, Length = 330mm.

Both internal and external earthing connection facilities are provided.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- Temperature at the branching point and cable entry may reach 87°C, suitably rated cable and glands must be selected.
- Flamepaths shall not be repaired.
- Only Ex d IIC Gb certified cable glands and blanking elements, with a service temperature of at least -20°C to +85°C shall be used.
- A medium temperature of max 105°C for T4...T1 is permitted if the pressure transmitter is mounted in a way that it's temperature above the hexagon of the process connection does not become higher than 102°C.

## **Annex:**

[Annex to IECEx ITS 19.0029X Issue 0\\_1.pdf](#)



## Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	<b>IECEX ITS 19.0029X</b>	<b>Issue No. 0</b>
<b>Annex No. 0</b>		

<b>Technical Documents</b>			
<b>Title:</b>	<b>Drawing No.:</b>	<b>Rev. Level:</b>	<b>Date:</b>
EVO III GA (2 Sheets of 2)	HUK2759	G	17/04/2020
EVO III Manual: EX-Annex	HUK.UM.3000.EX.Annex.EX	9	20.04.2020
EVO III Serial Number Label	HUK2761	F	17/04/2020
Warning Label	HUK2768	A	16/01/2019

Certificate issued by:

**intertek**

Total Quality. Assured.

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