



# 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 EPS 16.0059X**

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Certificate history:

Status: **Current**

Issue No: 5

Issue 4 (2021-07-29)

Issue 3 (2021-04-26)

Issue 2 (2019-02-01)

Issue 1 (2016-12-15)

Issue 0 (2016-10-21)

Date of Issue: 2022-05-02

Applicant: **Rotork YTC Limited**  
81, Hwanggeum-ro 89 beon-gil, Yangcon-eup, Gimpo-si,  
Gyeonggi-do  
**Korea, Republic of**

Equipment: **Electro-pneumatic valve positioner model YT-1000... and YT-1050...**

Optional accessory:

Type of Protection: **flameproof enclosure "d", encapsulation "m", intrinsic safety "i"**

Marking: **Ex db mb IIB T5 Gb**

**Ex ia IIC T6 Gb**

Approved for issue on behalf of the IECEx  
Certification Body:

**Ulrich Feike**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

2022-05-02



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Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
**Businesspark A96**  
**86842 Türkheim**  
**Germany**





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Manufacturer: **Rotork YTC Limited**  
81, Hwanggeum-ro, 89 beon-gil, Yangchon-eup Gimpo-si, Gyeonggi-do  
**Korea, Republic of**

Manufacturing locations: **Rotork YTC Limited**  
81, Hwanggeum-ro, 89 beon-gil,  
Yangchon-eup Gimpo-si, Gyeonggi-do  
**Korea, Republic of**

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

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

**IEC 60079-18:2017** Explosive atmospheres - Part 18: Protection by encapsulation "m"  
Edition:4.1

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:

**DE/EPS/ExTR16.0058/05**

Quality Assessment Report:

**DE/EPS/QAR11.0002/11**



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The electro-pneumatic valve positioners model YT-1000... and YT-1050... are used to control actuators in process control applications.

These electro-pneumatic valve positioners comply with IP66 and NEMA 4X ratings.

Ambient temperature range:  $-20\text{ }^{\circ}\text{C} \leq T_{\text{amb}} \leq +60\text{ }^{\circ}\text{C}$

The instructions provided with the equipment shall be followed in detail to assure safe operation.

Electrical data:

Input Current: 4-20 mA DC

Intrinsic Safety Parameters:

$U_i = 28\text{ V}$

$I_i = 93\text{ mA}$

$P_i = 650\text{ mW}$

$C_i = 0\text{ }\mu\text{F}$

$L_i = 0\text{ mH}$

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

For information on the dimensions of the flameproof joints the manufacturer shall be contacted.

The Ex-m apparatus must be protected by a suitable fuse. The breaking capacity of the fuse must be in accordance with the prospective short circuit current of the supply.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Added drawing for new cover base.