



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

Certificate No.: IECEx IBE 13.0011X

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2018-02-05)

Issue No. 1 (2017-02-28)

Date of Issue: **2018-02-05**

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Issue No. 0 (2013-07-18)

Applicant: **ASCO Numatics GmbH**  
Otto-Hahn-Str. 7-11  
75248 Ölbronn-Dürrn  
**Germany**

Equipment: **Piezo valve 630**

Optional accessory:

Type of Protection: **intrinsic safety 'ia'**

Marking:

Ex ia IIC T6 or T4 Ga

Ex ia IIIC T85 °C or T135 °C Da

-20 °C ≤ T<sub>amb</sub> ≤ +50 °C / +60 °C

Approved for issue on behalf of the IECEx  
Certification Body:

Dipl.-Ing. Alexander Henker

Position:

Deputy Head of Certification Body

Signature:  
(for printed version)

Date:

2018-02-05

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

Certificate issued by:

**IBExU Institut für Sicherheitstechnik GmbH**  
Certification Body  
Fuchsmühlenweg 7  
09599 Freiberg  
Germany





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Manufacturer: **ASCO Numatics GmbH**  
Otto-Hahn-Str. 7-11  
75248 Ölbronn-Dürrn  
**Germany**

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 electrical 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 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

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

*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:

DE/IBE/ExTR13.0011/00

DE/IBE/ExTR13.0011/01

DE/IBE/ExTR13.0011/02

Quality Assessment Report:

DE/IBE/QAR13.0001/02



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Series 630 valves are piezo valves with an extremely low power consumption. They are available in 2/2 or 3/2 distribution - function.

intrinsically safe input parameters:

$U_i = 30 \text{ V}$ ,  $I_i = 200 \text{ mA}$ ,  $P_i = 0.9 \text{ W}$ ,  $L_i = 0$ ,  $C_i = 0$

ambient temperature range:

-20 °C up to +50 °C (T6)

-20 °C up to +60 °C (T4)

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

The piezo valve may be used for control of non-flammable medium only but with the exception that the piezo valve may be used with natural gas, if there are no gas-air-mixtures in the pressure-system.

Dust layers above 50 mm are to be prevented.



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

The ambient temperature range has been extended.

The layout of the PCB has been changed.