



# 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 BVS 13.0097X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 1 Issue 0 (2013-09-19)  
Date of Issue: 2022-08-10  
Applicant: **Bürkert Werke GmbH**  
Christian-Bürkert-Str. 13-17  
74653 Ingelfingen  
Germany  
Equipment: **Pneumatic Control unit type 8697...PX03**  
Optional accessory:  
Type of Protection: **Equipment protection by type of protection "n", Equipment dust ignition protection by enclosure "t"**  
Marking: Ex ec IIC T4 Gc  
Ex tc III C T135°C Dc

Approved for issue on behalf of the IECEx  
Certification Body:

**Dr Franz Eickhoff**

Position:

**Lead Auditor and officially recognised expert**

Signature:  
(for printed version)



2022-08-10

Date:  
(for printed version)

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Certificate issued by:

**DEKRA Testing and Certification GmbH**  
Certification Body  
Dinnendahlstrasse 9  
44809 Bochum  
Germany

 **DEKRA**  
On the safe side.



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Manufacturer: **Bürkert Werke GmbH**  
Christian-Bürkert-Str. 13-17  
74653 Ingelfingen  
**Germany**

Manufacturing locations: **Bürkert Werke GmbH**  
Christian-Bürkert-Str. 13-17  
74653 Ingelfingen  
**Germany**

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 60079-31:2022-01 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

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:

DE/BVS/ExTR13.0105/01

Quality Assessment Report:

DE/PTB/QAR07.0002/11

ABD 1000210337 EN Version: A Status: RL (released) (freigegeben) printed: 21.06.2024



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### Description

The Pneumatic Control unit type 8697...PX03 is used to control pneumatic actuated process valves (e.g. stroke valves, as a seat or diaphragm valve).

The electronic is built in a plastic enclosure with transparent cover.

The electrical supply is carried out either via a separately certified cable entry or via a circular plug and socket connector (multipole).

Regarding the variant with plug and socket, the plug part of the connector is provided by the end user in the end use application and is not part of this test report.

The connection to the process valve is realized by special assembly kits which are not part of this test report.

The pneumatic connection is not part of this test report.

No components used to refer to older standards.

### Parameters

#### Electrical parameters

Nominal voltage	DC	24 V
Power loss pilot valve	ca.	1 W

#### Thermal parameters

Permitted ambient temperature range	-0 °C...+ 55 °C	
Temperature class	T4	
Maximum surface temperature T	135 °C	

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

1. For the variant with cable plug M12 the plug is provided by the end user in the end use application. This plug is no part of this test report and shall be in accordance with all applicable clauses of IEC 60079-0, IEC 60079-7 and IEC 60079-31. A minimum degree of protection IP 54 according to IEC 60529 shall be ensured.
2. The connection to the control valve shall only be realized by special assembly kits. They shall be in accordance with all applicable clauses of IEC 60079-0, IEC 60079-7 and IEC 60079-31. A minimum degree of protection IP 54 according to IEC 60529 shall be ensured.
3. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
4. Transient protection shall be provided that is set a level not exceeding 140 % of the peak rated voltage at the supply terminals to the equipment.



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

- Updating to the current versions of the standards