



# 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: 2

Issue 1 (2022-08-10)

Issue 0 (2013-09-19)

Date of Issue: 2025-06-13

Applicant: **Bürkert Werke GmbH & Co KG**  
Christian Bürkert-Straße 13-17  
74653 Ingelfingen  
**Germany**

Equipment: **Pneumatic Control unit type 8697...PX03**

Optional accessory:

Type of Protection: **Increased Safety "e", Equipment dust ignition protection by enclosure "t"**

Marking: **Ex ec IIC T4 Gc**  
**Ex tc IIIC T135°C Dc**

Approved for issue on behalf of the IECEx  
Certification Body:

**Dr Michael Wittler**

Position:

**Deputy Head of Certification Body**

Signature:  
(for printed version)

Date:  
(for printed version)

2025-06-13

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

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





# IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 13.0097X**

Page 2 of 4

Date of issue: 2025-06-13

Issue No: 2

Manufacturer: **Bürkert Werke GmbH & Co KG**  
Christian Bürkert-Straße 13-17  
74653 Ingelfingen  
**Germany**

Manufacturing locations: **Bürkert Werke GmbH & Co. KG**  
Keltenstraße 10  
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** 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:

**HR/FIDI/QAR25.0003/00**



# IECEx Certificate of Conformity

Certificate No.: IECEx BVS 13.0097X

Page 3 of 4

Date of issue: 2025-06-13

Issue No: 2

## 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.



# IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 13.0097X**

Page 4 of 4

Date of issue: 2025-06-13

Issue No: 2

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

- Correction of the manufacturing location
- Change of the linked QAR