

## Translation

# Type Examination Certificate

Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

Type Examination Certificate Number: **BVS 13 ATEX E 087 X** Issue: **01**

Equipment: **Pneumatische Ansteuereinheit type 8697...PX03**

Manufacturer: **Bürkert Werke GmbH & Co. KG**

Address: **Christian-Bürkert-Str.13-17, 74653 Ingelfingen, Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
The examination and test results are recorded in the confidential Report No. BVS PP 13.2174 EU.  
This issue of the Type Examination Certificate replaces the previous issue of the Type Examination Certificate BVS 13 ATEX E 087 X.

The Essential Health and Safety Requirements are assured in consideration of:

<b>EN IEC 60079-0:2018</b>	<b>General requirements</b>
<b>EN IEC 60079-7:2015+A1:2018</b>	<b>Increased Safety "e"</b>
<b>IEC 60079-31:2022</b>	<b>Protection by Enclosure "t"</b>

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

This Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 3G Ex ec IIC T4 Gc**  
**II 3D Ex tc IIIC T135°C Dc**

DEKRA Testing and Certification GmbH  
Bochum, 2022-07-26

Signed: Dr. Rolf Krökel

Managing Director

13 **Appendix**  
 14 **Type Examination Certificate**  
**BVS 13 ATEX E 087 X Issue 01**

15 **Product description**

15.1 **Subject and type**

Pneumatic Control unit type 8697...PX03

15.2 **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.

**Reasons for this issue:**

- Change to Directive 2014/34/EU
- Updating to the current versions of the standards.

No components used to refer to older standards.

15.3 **Parameters**

15.3.1 **Electrical parameters**

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

15.3.2 **Thermal parameters**

Permitted ambient temperature range	-0 °C...+	55	°C
temperature class			T4
maximum surface temperature		135	°C

16 **Report Number**

BVS PP 13.2174 EU, as of 2022-07-26

17 **Specific Conditions of Use**

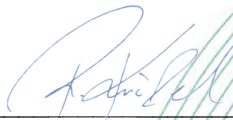
17.1 For the variant with cable plug M12 the plug is provided by the end user in the end use application. This plug is no part of this Type Examination Certificate and shall be in accordance with all applicable clauses of IEC 60079-0, IEC 60079-7 and IEC 60079-31. A minimum degree of protection IP 54 according to IEC 60529 shall be ensured.

- 17.2 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.
- 17.3 The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
- 17.4 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.
- 18 **Essential Health and Safety Requirements**
- Met by compliance with the requirements mentioned in item 9.
- 19 **Remarks and additional information**
- Drawings and documents are listed in the confidential report.

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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH  
Bochum, 2022-07-26  
BVS-Hk/MGR A 20210659 / 3423662



Managing Director