

CERTIFICATE OF CONFORMITY

1. HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS

2. **Certificate No:** FM25US0304X
3. **Equipment:** Type 879x Positioner
(Type Reference and Name)
4. **Name of Listing Company:** Bürkert Werke GmbH & Co KG
5. **Address of Listing Company:** Christian-Bürkert-Straße 13-17, D74653 Ingelfingen, Germany
6. The examination and test results are recorded in confidential report number:

PR474072 dated 10th April 2026

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM 3600:2022, FM 3610:2021, FM 3810:2021, ANSI/UL 60079-0:2020 (R2024), ANSI/UL 60079-7:2021 (R2025), ANSI/UL 60079-11:2018 (R2023), ANSI/UL 60079-31:2015, ANSI/UL 61010-1:2018

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. Equipment Ratings:

Increased Safety and Intrinsically Safe for use in Class I, Zone 2, AEx ec ic IIC T4 Gc, T_{amb} = 0°C to +60°C
Protection by Enclosure for use in Zone 22, AEx tc IIC T135°C, T_{amb} = 0°C to +60°C
For use in Class I, Division 2, Groups A, B, C & D T4, T_{amb} = 0°C to +60°C
For use in Class II & III Division 2, Groups F & G T135°C, T_{amb} = 0°C to +60°C

Certificate issued by:

J.E. Marquedant

J.E. Marquedant
VP, Manager - Electrical Systems

04/10/2026

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA
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F 347 (Jul 24)



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SCHEDULE

US Certificate of Conformity No: FM25US0304X

11. The marking of the equipment shall include:

CL I Div 2, Gr ABCD T4
CL II,III, Div 2, Gr FG T135°C
CL I, ZN 2, AEx ec ic IIC T4 Gc
ZN 22, AEx tc IIC T135°C Dc
T_{amb} = 0°C to +60°C

12. **Description of Equipment:**

The Type 879x positioner is used to control 3rd party valves (linear and rotary actuators). They are mounted via special assembly kits at the pneumatic actuator of the control valve.

The Type 879x positioner is available in versions with or without a display. It also offers an optional process controller for connecting cable glands or circular connectors and supports various input signal types. Additionally, a remote version is available without an integrated stroke measurement system, which can be connected to an external measurement system.

Operation Temperature Ranges:

T_{amb} = 0°C to +60°C

Electrical data:

The Type 879x positioner has the following electrical ratings:

Type 8792/8793:

U = 24Vdc ±10%; I = 190mA

Type 8791:

U = 24Vdc ±25%; U = 30Vdc; Bus Power via AS interface; I = 210mA

879abcdefghijklmnopqrstuvw, Positioner Type.

a = Type: 1, 2 or 3.

bc = Pneumatic function: 00, D3 or E1.

de = Proximity Switch: 00.

fghi = Flange pattern: RM01 or FA06.

j = Supply voltage: E, 3, T.

k = Driving: A, F or N.

lm = Electrical Connection: KD or MP.

no = Fluidic connectors: GI.

p = Operation / Configuration: 0 or T.

q = Inputs / Outputs: 0, A, B, C, D, E, F or G.

r = Additional functions: 0, A, Q or R.

s = Communication: 0, A, C, D, Y, G, I, J, K, L or Q.

tuvw = Variable Code: PX45.

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13. Specific Conditions of Use:

- 1) The equipment shall not be used in dust atmospheres with strong charge generating processes leading to propagating brush discharges.
- 2) Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment.
- 3) For equipment with round connector (multipole) a special safety clip shall be used preventing the disconnection of the plug without a tool.

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
10 April 2026	Original Issue.

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