



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

Certificate No.: **IECEX EPS 22.0018X** Page 1 of 4 **Certificate history:**
Status: **Current** Issue No: 2 Issue 1 (2022-12-08)
Date of Issue: 2024-08-02 Issue 0 (2022-04-14)
Applicant: **Bürkert Werke GmbH & Co. KG**
Christian-Bürkert-Straße 13-17
74653 Ingelfingen
Germany
Equipment: **Solenoid Coil AC19-U5-K-* * PX81**
Optional accessory:
Type of Protection: **increased safety "e", protection by enclosure "t"**
Marking: Ex ec IIC T3 Gc
Ex tc IIIC T200°C Dc

ABD-1000542973-ML- Version: B-Status: RL (released / freigegeben) - printed: 08.08.2024

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



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 or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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

Manufacturing locations: **Bürkert Werke GmbH & Co. KG**
Landauerstr. 24
74582 Gerabronn
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/EPS/ExTR22.0016/02

Quality Assessment Report:

DE/PTB/QAR07.0002/13



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The solenoid coil AC19-U5-K- * PX81 is used to actuate valves controlling gaseous or liquid media. They are single stroke solenoids. The solenoid coil can be used as electrical equipment for use in areas with combustible gas and dust. The maximum surface temperature during operation depends on the coil power, the installation conditions of the solenoid used and the ambient temperature.

The electrical connection to the device is provided via connectors of type 2509 or type 2513 offered by Bürkert.

Ambient temperature range: $-40\text{ °C} \leq T_a \leq +65\text{ °C}$

Electrical data:

type	coil size	max. rated voltage (V)	max. rated power (W)	additional information
NA38	K	24	16	---
CZ05	K	24	85/8.5	type "kick and drop", max. 30 switching cycles per minute

SPECIFIC CONDITIONS OF USE: YES as shown below:

The solenoid coil shall not be used in areas where strong charge-generating processes can occur (e.g. mechanical friction and separation processes, painting equipment, pneumatic conveying processes).

Clean the device surface only by wiping it lightly with a damp or antistatic cloth.

Use the device only in a mounting position that is not subject to mechanical stress.

The specifications for the permissible ambient temperature refer to the individual mounting of the coils. If several coils are to be installed on one valve block, a suitable distance must be provided to prevent mutual heating.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
additional types