



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 16.0030X** Page 1 of 4 **Certificate history:**
Status: **Current** Issue No: 2 Issue 1 (2020-08-04)
Date of Issue: 2025-01-28 Issue 0 (2016-05-10)
Applicant: **Bürkert Werke GmbH & Co KG**
Christian Bürkert-Straße 13-17
74653 Ingelfingen
Germany
Equipment: **Solenoid, Type AC19-U5-K-**E*- VAR***
Optional accessory:
Type of Protection: **Encapsulation "mb", Increased Safety "eb", Protection by Enclosure "tb"**
Marking: **With cable outlet:**
Ex mb IIC T4/T3 Gb
Ex mb IIIC T130°C/T195°C Db
With terminal connection box:
Ex eb mb IIC T4/T3 Gb
Ex mb tb IIIC T130°C/T195°C Db

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**
Landauer Straße 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 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ExTR16.0030/02](#)

Quality Assessment Report:

[DE/PTB/QAR07.0002/14](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The solenoid type AC19 is used for actuating valves that control gaseous or liquid media. The device is a single stroke solenoid. Its maximum surface temperature depends on the rated power, the mounting conditions and the ambient temperature. Two different device sizes are provided: Code CZ24 with bridge rectifier and code CZ05 with electronic power switching.

The electrical connection is provided by either a cable-connection or a terminal box. The terminal box is described and certified under the certificate number PTB 15 ATEX 1011 U and IECEX PTB 15.0037U.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The device shall never be used in areas affected by charge-generating processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust. The device surface may only be cleaned by lightly wiping with a damp or antistatic cloth.

The AC19 coil is basically intended for single mounting. For block mounting, the user must ensure that the permissible ambient temperature is not exceeded by mutual heating.

The solenoid shall always be used with armature.

The cable bending radius must be observed during installation.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Modification of maximum ambient temperature

Annex:

[IECEX Attachment.pdf](#)