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 15.0066X**

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Certificate history:
Issue 1 (2022-09-13)
Issue 0 (2016-02-08)

Status: **Current**

Issue No: 2

Date of Issue: 2025-07-21

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

Equipment: **Solenoid coil Type 072x**

Optional accessory:

Type of Protection: **mb**

Marking: Ex mb IIC T4 Gb

Ex mb IIIC T130°C Db

Approved for issue on behalf of the IECEx Certification Body: **Ulrich Feike**

Position: **Head of Certification**

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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Certificate No.: **IECEx EPS 15.0066X**

Date of issue: 2025-07-21 Issue No: 2

Manufacturer: **Bürkert Werke GmbH & Co. KG**
Christian-Bürkert-Str. 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 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

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 Reports:

DE/EPS/ExTR15.0064/01 DE/EPS/ExTR15.0064/02

Quality Assessment Report:

HR/FIDI/QAR25.0003/00

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The solenoid coil type 072x is used for actuating valves that control gaseous or liquid media. The coil is either encapsulated with the core guide tube of the valve or it is mounted on the core guide tube of the valve and fastened by means of a nut. A closed system is always created and the devices may also be used in fuel pumps to control gasoline as Category 2 devices. The valve bodies can be optionally made of metal or polyamide. When using the type 072x solenoid coil in fuel pumps to control gasoline as a Category 2 device, the material of the valve body must be made of metal. The coil is mounted on the core guide tube and may only be dismantled by the manufacturer.

The solenoid coil is equipped with a permanently connected connection cable.

Electrical data:

Rated voltage:	24V	or	100/110 V	or	230/240 V AC or DC - 0 Hz to 60 Hz ±10%
Rated Current:	0.625 A	or	0.157 A	or	0.072 A
Rated Power:	15 W				

Permitted ambient temperature range: -40 °C ≤ Ta ≤ +40 °C

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The device shall never be used in areas affected by strong charge-generating processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust. For cleaning the surface of housing only antistatic- or damp- clothes are allowed. By installing of cable, the bending radius must be observed.
2. A fuse (max. 3 * I_{rat} in accordance with IEC 60127-2-1) corresponding to the rated current or a motor protecting switch with short circuit and thermal instantaneous tripping (set to rated current) shall be connected in series to each solenoid to protect against short circuits. This fuse shall be connected in series separately. The rated fuse voltage shall be the same as, or higher than the specified nominal voltage of the solenoid. The interruption rating of the fuse link shall be the same as, or higher than the maximum short circuit current to be accepted at the installation site (usually 1500 A).
3. If the device may be used in gas stations for the control of gasoline as category 2 devices, the valve bodies shall be made of metal. The coil is mounted on the core guide tube and may only be dismantled by the manufacturer. The valves are always a closed system

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1: Update of Standards, slight modification of the internal structure

Issue 2: Change of related QAR