IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx EPS 15.0066X

Issue No: 0

Certificate history:
Issue No. 0 (2016-02-08)

Status: **Current**

Date of Issue: **2016-02-08**

Applicant: **Bürkert Werke GmbH**
Christian-Bürkert-Straße 13-17
74653 Ingelfingen
Germany

Equipment: **Solenoid Type 072x**

Optional accessory:

Type of Protection: **mb**

Marking:

Ex mb IIC T4 Gb

Ex mb III C T130°C Db

Approved for issue on behalf of the IECEx Certification Body: Dieter Zitzmann

Position: Manger Certification

Signature:
(for printed version)

Date:

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 the Official IECEx Website.

Certificate issued by:

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

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Manufacturer: **Bürkert Werke GmbH**
Christian-Bürkert-Straße 13-17
74653 Ingelfingen
Germany

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-18 : 2014 Edition:4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”

*This Certificate **does not** indicate compliance with electrical 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/ExTR15.0064/00

Quality Assessment Report:

DE/PTB/QAR07.0002/05

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The solenoid type 072x is used for actuating valves that control gaseous or liquid media.

The coil is either potted with the core guide tube of the valve or placed over the core quide tube of the valve and is attached with a nut. If the devices may be used in gas stations for the control of gasoline as category 2 devices, the valve bodies shall be made of metal. The valves are always a closed system.

Electrical data:

Nominal voltage: 24 V / 240 V AC/DC ± 10%

Nominal current: 0,062 - 0,625 A

Nominal power: 15 W

SPECIFIC CONDITIONS OF USE: YES as shown below:

The units shall be protected against the influence of charge generating processes and electrostatic charging.

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).

The maximum permissible ambient temperature range is -40 °C up to +40 °C.