



**BUREAU
VERITAS**



(1) **EC-Type Examination Certificate**

(2) **Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC**

(3) EC Type Examination Certificate Number

EPS 15 ATEX 1 073 X

Revision 0

(4) **Equipment:** Solenoid type 072x

(5) **Manufacturer:** Bürkert Werke GmbH

(6) **Address:** Christian-Bürkert-Straße 13-17, 74653 Ingelfingen, Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to:

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential report 15TH0310.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013

EN 60079-18:2015

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:



II 2G Ex mb IIC T4 Gb
II 2D Ex mb IIIC T130°C Db



Certification department of explosion protection

D. Zitzmann

Nuremberg, 2016-02-08

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(13)

Annex

(14) **EC-Type Examination Certificate EPS 15 ATEX 1 073 X**

Revision 0

(15) Description of equipment:

The solenoid 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 guide tube of the valve and is attached with a nut. 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.

Electrical data:

Rated voltage:	24 V / 240 V AC/DC \pm 10%
Rated current:	0.062 – 0.625 A
Rated power:	15 W

(16) Test report: 15TH0310

(17) Special conditions for safe use:

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

A fuse (max. $3 \cdot I_{rat}$ 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 $-40\text{ }^{\circ}\text{C}$ up to $+40\text{ }^{\circ}\text{C}$.

(18) Essential health and safety requirements:

Met by standards.

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