



**BUREAU
VERITAS**



Certificate of Conformity

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**
- (3) Certificate Number
- EPS 21 ATEX 1 234 X**
- Revision 2**
- (4) Equipment: Solenoid Coil AC10-U3-*-* PX80
- (5) Manufacturer: Bürkert Werke GmbH & Co. KG
- (6) Address: Christian-Bürkert-Straße 13-17
74653 Ingelfingen
Germany
- (7) This equipment and any acceptable variation thereto are specified in the annex to this Certificate of Conformity and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment 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 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 21TH0522.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:
- EN IEC 60079-0:2018**
- EN 60079-7:2015,
EN IEC 60079-7:2015/A1:2018**
- EN 60079-31:2014**
- IEC 60079-31:2022-01 (Ed. 3.0)**
- (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 annex to this certificate.
- (11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

 II 3G Ex ec IIC T4 Gc
II 3D Ex tc IIIC T135°C Dc



Certification department of explosion protection

Ulrich Feike

Tuerkheim, 2024-08-02

Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.



BUREAU VERITAS



(13)

Annex

(14) **Certificate of Conformity EPS 21 ATEX 1 234 X**

Revision 2

(15) Description of equipment:

The solenoid coil AC10-U3-*.** PX80 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: $-40\text{ °C} \leq T_a \leq +60\text{ °C}$

Electrical data:

type	coil size	max. rated voltage (V)	max. rated power (W)	additional information
NA38	6	24	10	---
NA38	5	24	10	---
CZ05	6	24	20/2	type "kick and drop, max. 30 switching cycles per minute
CZ05	6	24	65/7	type "kick and drop", max. 15 switching cycles per minute

(16) Reference number: 21TH0522

(17) Special conditions for safe use:

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.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Tuerkheim, 2024-08-02



Ulrich Feike