

CERTIFICATE OF CONFORMITY




- HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
- Certificate No:** FM20US0014X
- Equipment:** Type 0330
(Type Reference and Name) Solenoid Coil
- Name of Listing Company:** Burkert Werke GmbH & Co Kg
- Address of Listing Company:** Christian-Burkert-Strasse 13-17
Ingelfingen D74653
Germany
- The examination and test results are recorded in confidential report number:

PR451981 dated 2nd April 2020
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2018, FM Class 3615:2018, FM Class 3616:2011, FM Class 3810:2018,
UL 60079-0:2019, UL 60079-18:2018, UL 60079-31:2015,
ANSI/UL 61010:2012
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
- Equipment Ratings:**

Explosionproof for Class I, Division 1, Groups A, B, C and D; Dust-ignitionproof for Class II, Division 1, Groups E, F and G; Class III, Division 1; Flameproof for Class I, Zone 1, AEx mb IIC T4 Gb, Zone 21 AEx mb IIC T130C Db hazardous (classified) locations, with an ambient temperature rating of -40°C to +55°C.

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

2 April 2020

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
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SCHEDULE



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11. The marking of the equipment shall include:

Class I Division 1, Groups A, B, C, D; T4 Ta = -40°C to +55°C

Class II, Division 1, Groups E, F, G, Class III, Division 1; T4 Ta = -40°C to +55°C

Class I, Zone 1, AEx mb IIC T4 Gb Ta = -40°C to +55°C

Zone 21, AEx mb IIIC T130C Db Ta = -40°C to +55°C

12. **Description of Equipment:**

General - The Series 0330 Solenoid Coils are intended to be used to actuate valves which control gaseous or liquid media. The solenoid coil type 0330 is an electromagnetic actuator for various Bürkert valves. The valve function is based on the connection of the solenoid coil with a fluid housing. Solenoid coil and fluid housing are connected with fastening screws; this is why the solenoid coil type 0330 is included in the solenoid coils which are screwed together as a block. The fastening screws ensure electrical contact between the fluid housing and solenoid coil. The manual override can be retained in position if, after depressing the button, it is turned in a clockwise direction.

Construction - The solenoid coil housing is composed of epoxy resin. The power supply is connected via a cable. The cable is permanently integrated in the solenoid coil. All metallic components are grounded via the protective conductor in the cable. The enclosure is provided with two a ½ inch NPT opening for connection to a junction box.o

Ratings - The Series 0330 Solenoid Coils operate at 12, 24, and 125 Vdc and 110-120, 220-240 VAC, 10 Watts nominal power. The solenoids are rated for use in an ambient temperature range of -40°C to +55°C.

01T4, 02T4, 30T4, MT4, and OT4 ab Series 0330 Solenoid Coils

a= Supply voltage- 12, 24, 125, 110-120, or 220-240

b= Coil Frequency (Hz)= DC or 50-60

13. **Specific Conditions of Use:**

1. Refer to the manufacturer's instructions to reduce the potential of an electrostatic charging hazard on the equipment enclosure.
2. Solenoid leads must be terminated in a suitable junction box.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

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16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
2 nd April 2020	Original Issue.



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