

# CERTIFICATE OF COMPLIANCE

**Certificate Number** E504714  
**Report Reference** E504714-20200925  
**Issue Date** 2020-OCTOBER-02

**Issued to:** Burkert Werke GmbH & Co. KG  
stian-Buerkert-Strasse 13-17  
74653 Ingelfingen GERMANY

**This certificate confirms that  
representative samples of**

SOLENOIDS FOR USE IN ZONE CLASSIFIED  
HAZARDOUS LOCATIONS

See Addendum Page

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:**  
**Additional Information:**

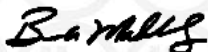
See Addendum Page

See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Valve Parts, Coil Assemblies Cat. Nos. AC19 f/b 40EA, 36EA, 25EA, 21EA, 19EA or 14EA, f/b JJ, f/b two numbers, may be f/b suffix numbers or letters.

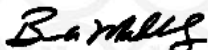
for Use In (USL resp. CNL) Hazardous Locations:  
Class I, Zone 1, AEx mb IIC resp. Ex mb IIC Gb X  
Zone 21, AEx mb IIIC resp. Ex mb IIIC Db X

Valve Parts, Coil Assemblies Cat. Nos. AC19 f/b 40EA, 36EA, 25EA, 21EA, 19EA or 14EA, f/b JA26, JA23, JA16 or JA13, may be f/b suffix numbers or letters.

for Use In (USL resp. CNL) Hazardous Locations:  
Class I, Zone 1, AEx eb mb IIC resp. Ex eb mb IIC Gb X  
Zone 21, AEx mb tb IIIC resp. Ex mb tb IIIC Db X

## Standard(s) for Safety:

Standard No. UL 60079-0, 7th Ed., Rev. Date 04/15/2020, Explosive atmospheres – Part 0: Equipment – General requirements  
Standard No. UL 60079-7, 5th Ed., Rev. 2017-04-21, Explosive Atmospheres – Part 7: Equipment protection by increased safety “e”  
Standard No. UL 60079-18, 4th Ed., Rev. 2018-05-25, Explosive Atmospheres – Part 18: Equipment Protection by Encapsulation “m”  
Standard No. UL 60079-31, 2nd Ed., Issued 2015-06-12, Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”  
CSA C22.2 No. 60079-0, Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements, Edition 4, Issue Date 02/2019  
Standard No. CAN/CSA-C22.2 No. 60079-7:16, 2nd Ed., Issued 2016-10, Explosive atmospheres — Part 7: Equipment protection by increased safety “e”  
Standard No. CAN/CSA-C22.2 No. 60079-18:16, 2nd Ed., Issued 2016-08, Explosive atmospheres — Part 18: Equipment protection by encapsulation “m”  
Standard No. CAN/CSA-C22.2 No. 60079-31:15, 2nd Ed., Issued 2015-10, Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure “t”



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**The NEC (NFPA70) articles 501.5; 502.6 and 503.6 also permits the following:**

- Equipment for **Class I, Zone 0, 1 or 2** locations to be used in a **Class I, Division 2** location of the same gas group and with a suitable temperature class.
- Equipment for **Zone 20, 21 or 22** locations to be used in a **Class II, Division 2** location of the same dust and with a suitable temperature class.
- Equipment for **Zone 20** locations with a temperature class of not greater than T120C for equipment subject to overloading or not greater than T165C for equipment not subject to overloading to be used in a **Class III, Division 1** location.
- Equipment **for Zone 20, 21 or 22** locations with a temperature class of not greater than T120C for equipment subject to overloading or not greater than T165C for equipment not subject to overloading to be used in a **Class III, Division 2** location.

In addition, equipment for use in hazardous (classified) locations is also suitable for use in unclassified locations.