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:	See Addendum Page
Additional Information:	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"

Bruce Mahrenholz, Director North American Certification Program

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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.

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