

CERTIFICATE OF COMPLIANCE

Certificate Number E504714
Report Reference E504714-20191122
Issue Date 2020-JANUARY-30

Issued to: Burkert Werke GmbH & Co. KG
Christian-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 For Models/Product

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

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E504714
Report Reference E504714-20191122
Issue Date 2020-JANUARY-30

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

Standard(s) for Safety

UL 60079-0 - Explosive atmospheres – Part 0: Equipment – General requirements

CAN/CSA-C22.2 No. 60079-0:15 - Explosive Atmospheres

UL 60079-7 and CAN/CSA-C22.2 No. 60079-7:16 - Explosive Atmospheres – Part 7: Equipment protection by increased safety “e”

UL 60079-18 and CAN/CSA-C22.2 No. 60079-18:16 - Explosive Atmospheres – Part 18: Equipment Protection by Encapsulation “m”

UL 60079-31 and CAN/CSA-C22.2 No. 60079-31:15 - Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”

USL, CNL - Valve Parts, Coil Assemblies, Cat. Nos. AC10, f/b U3, f/b 5, f/b 36EA, 32EA, 28EA, 24EA, 23EA, 13EB, 10EA, 08EA or 04EA, f/b JJ, f/b two numbers, f/b JW, f/b two numbers, f/b PX, f/b two numbers, may be f/b suffix numbers or letters. (Series 5).

USL, CNL - Valve Parts, Coil Assemblies, Cat. Nos. AC10, f/b U3, f/b 6, f/b 40EA, 33EA, 34EA, 25EB, 18EA, 11EA or 05EB, f/b JJ, f/b two numbers, f/b JW, f/b two numbers, f/b PX, f/b two numbers, may be f/b suffix numbers or letters. (Series 6).

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

USL, CNL - Valve Parts, Coil Assemblies, Cat. Nos. AC10, f/b U3, f/b 5, f/b 36EA, 32EA, 28EA, 24EA, 23EA, 13EB, 10EA, 08EA or 04EA, f/b JA13, JA16, JA23 or JA26, f/b PX, f/b two numbers, may be f/b suffix numbers or letters. (Series 5).

USL, CNL - Valve Parts, Coil Assemblies, Cat. Nos. AC10, f/b U3, f/b 6, f/b 40EA, 33EA, 34EA, 25EB, 18EA, 11EA or 05EB, f/b JA13, JA16, JA23 or JA26, f/b PX, f/b two numbers, may be f/b suffix numbers or letters. (Series 6).

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



Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



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.