



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx ETL 17.0010X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 2	Issue 1 (2019-09-12) Issue 0 (2017-04-07)
Date of Issue:	2024-12-05		
Applicant:	Westlock Controls Corporation 280 Midland Avenue Saddle Brook, NJ 07663 United States of America		
Equipment:	3479, E3479 Series Valve Position Monitor		
Optional accessory:	Flameproof coil assembly		
Type of Protection:	Ex db, Ex tb		
Marking:	Ex db IIC T* Gb Ex tb IIIC T*°C Db Tamb: -°C to +°C, IP 6X *Dependent on configuration, see description below for details IECEx ETL 17.0010X		

Approved for issue on behalf of the IECEx
Certification Body:

Todd L. Relyea

Position:

Certification Officer

Signature:
(for printed version)

Date:
(for printed version)

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Certificate issued by:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek



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Manufacturer: **Westlock Controls Corporation**
280 Midland Avenue
Saddle Brook, NJ 07663
United States of America

Manufacturing locations: **Westlock Controls Corporation**
280 Midland Avenue
Saddle Brook, NJ 07663
United States of America

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/ETL/ExTR17.0011/00](#)

[US/ETL/ExTR17.0011/01](#)

[US/ETL/ExTR17.0011/02](#)

Quality Assessment Report:

[US/FMG/QAR08.0002/14](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The 3479 or E3479 series valve position monitor provides end of travel indication via proximity switch(s) mounted through the floor of the enclosure that are activated by means of a trigger system comprising of two adjustable magnets. The 3479 or E3479 series enclosure is available in cast aluminum or stainless steel and comprises of a housing with a screw secured cover. The E3479 Series also controls using an attached installed Ex d solenoid operated pneumatic valve. The housing has the option of up to two proximity switches and three cable entries for connection to an external power source via appropriate IECEx certified IP6X cable glands; M20 x 1.5p, M25 x 1.5p, 1/2"-14NPT or 3/4"-14 NPT. The entries are detailed on the product I.D label found on the housing.

Refer to the Annex for the tables detailing the ambient temperature, temperature class and maximum surface temperature and the electrical ratings of the equipment.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment can exceed 70°C at the cable entry point and 80°C at the branching point. The cable must be suitably selected.
- Only suitably approved IECEx Ex db IIC, Ex tb IIIC cable glands, conduit stopping devices and thread adaptors must be used.
- When conduit is used a suitably approved stopping box must be used at a distance less than the size of the conduit.
- All unused entries must be plugged with suitably approved Ex db blanks with an ingress protection rating of IP6X.
- No modifications shall be made to the flamepaths of the product without reference to the drawings listed in the ExTR.
- The serial number is marked externally - if required by the end user Westlock Controls will provide a label for internal marking of the serial number.
- The flamepath joints are not intended to be repaired.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Removed Drawing No. LB-11874-001, LB-11877-XX, LB-11874-002, and LB-11877-XX.
- Removed Model 2800.
- Updated Drawing No. TECH-548-EN from Rev. Level A to Rev. Level B.
- Added Drawing No. LB-091001UK.

Annex:

[SFT-IECEx-OP-19f - Annex for IECEx Certificate of Conformity.pdf](#)



Annex to IECEx Certificate of Conformity

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Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
Certification Drawing 3479/E3479	MS-10764	A	04/04/08
*3479/E3479 Series Installation and Operating Instructions	TECH-548-EN	B	10/30/2024
*3479/E3479 Series ATEX / IECEx Label Master	LB-091001UK	D	11/25/24

*Note: An * is included before the title of documents that are new or revised.*

The table below details the applicable ambient temperature range, T Class, Tmax and electrical rating for the proximity switch(s) fitted:

Ambient Details			
Model	Coil Option	Power	Temperature Code
3479	N / A	N / A	-60°C to +85°C (T4 / T130°C) -60°C to +75°C (T5 / T95°C) -60°C to +60°C (T6 / T80°C)
E3479	ETO, EZO or EYO	0.5W, 0.85W, or 1.80W	-20°C to +60°C (T4 / T130°C) -20°C to +57°C (T5 / T95°C) -20°C to +42°C (T6 / T80°C)
		4W	-20°C to +60°C (T4 / T130°C) -20°C to +46°C (T5 / T95°C) -20°C to +31°C (T6 / T80°C)
	ETL, EZL or EYL	0.5W, 0.85W, or 1.80W	-40°C to +52°C (T4 / T130°C) -40°C to +52°C (T5 / T95°C) -40°C to +42°C (T6 / T80°C)
		4W	-40°C to +52°C (T4 / T130°C) -40°C to +46°C (T5 / T95°C) -40°C to +31°C (T6 / T80°C)

Electrical Ratings:

Switch Rating	Electrical Rating
Proximity Switch (M06)	3A / 120VAC, 1.5A / 240VAC or 2A / 24VDC
Proximity Switch (M12)	Rhodium Contacts 200mA / 120VAC or 1A / 24VDC



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The E3479 series can also be fitted with a single Ex d coil with the following possible electrical ratings:

Ratings	
Voltage	Power
5 to 300VDC	0.50W
	0.85W
	1.80W
	4W
6 to 250VAC	50 – 60Hz, 0.50VA
	50 – 60Hz, 0.85VA
	50 – 60Hz, 1.90VA
	50 – 60Hz, 4VA

Certificate issued by:

intertek
Total Quality. Assured.

Intertek Testing Services NA, Inc.
3933 US Route 11
Cortland, NY 13045, USA

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