



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx ETL 17.0010X

Issue No: 1

Certificate history:

[Issue No. 1 \(2019-09-12\)](#)

[Issue No. 0 \(2017-04-07\)](#)

Status: **Current**

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Date of Issue: **2019-09-12**

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

Equipment: **2800, 3479, E3479 Series Valve Position Monitor**

Optional accessory: *Flameproof coil assembly*

Type of Protection: **Ex db flameproof and Ex tb protection by enclosure**

Marking:

Ex db IIC T* Gb
Ex tb III C T*°C Db IP6X

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:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

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



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

Additional Manufacturing location(s):

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 apparatus 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 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical 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 Report:

[US/ETL/ExTR17.0011/00](#) [US/ETL/ExTR17.0011/01](#)

Quality Assessment Report:

[US/FMG/QAR08.0002/09](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The 2869, 3479 or E3479 series valve position monitor provides end of travel indication via proximity switch(s) mounted through the wall of the enclosure that are activated by means of a trigger system comprising of two adjustable magnets. The 2869, 3479 or E3479 series enclosure is available in cast aluminium or stainless steel only and comprises of a housing with a screw secured cover. The housing has the option of up to two proximity switches and three cable entries for connection to an external power source via appropriate ATEX 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. The first two digits of the Westlock nomenclature signifies the series (28 or 34). The 2869 is the UK series. The series digits 28 are followed by a 6 as there is no beacon option and then a 9 for the Magnum style switch option. The 3479 is the USA series and the 8th digit (M) indicates the Magnum switch option. Westlock UK do not offer the Rhodium type switch contact so the M digit followed by the number 12 i.e. M12 is not used. The table below details the applicable ambient temperature range, T Class, T_{max} and electrical rating for the proximity switch(s) fitted;

Series Code	T Class / T _{max}	Ambient Range
2869, 3479 or E3497	T6 / T80°C	-60°C to +60°C
2869, 3479 or E3497	T5 / T95°C	-60°C to +75°C
2869, 3479 or E3497	T4 / T130°C	-60°C to +85°C

Series Code/Switch Designation	Electrical Rating
2869, 3479 or E3497	Proximity switch ratings: 3A/120VAC, 1.5A/240VAC OR 2A/24VDC

The 2869, 3479 or E3479 series can also be fitted with a single Ex d coil with the following possible electrical ratings.

COIL VOLTAGE	ELECTRICAL RATINGS
12VDC	12VDC (0.7W)
24VDC	24VDC (0.7W)
125VDC	125VDC (1W)
90-120VAC	90-120VAC (4VA)
220-240VAC	90-120VAC (4VA)
Others	Limited to 1W or 4VA

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, cable must be suitably selected.
- Only suitably approved IECEx Ex d 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.
- Any unused entries must be blanked with suitably IECEx approved stopping plugs.
- 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):

Issue 0 to Issue 1

- Updated standards from IEC 60079-1 : 2014-06 Edition 7, and IEC 60079-0 : 2011 Edition 6, to the current editions.
- Added model E3479
- Replaced drawing LB-091001UK with LB-11874-001, LB-11877-XX, LB-11874-002, LB-11877-XX
- Added ATEX CERTIFICATION DRAWING 2800/3479/E3479, MS-10764 rev A, dated 04/04/08
- Replaced VCIOM 05082 with TECH-548-EN, Rev A, dated 8/1/2018

Annex:

[IECEX ETL 17.0010X - 01 -SFT-IECEX-OP-19f - Annex for IECEx Certificate of Conformity.pdf](#)



Annex to IECEx Certificate of Conformity

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Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
ID LBL FOR E3479 SERIES	LB-11874-001	INITIAL RELEASE	5/24/19
ID LBL FOR 3479/E3479 SERIES	LB-11877-XX	INITIAL RELEASE	5/24/19
ID LBL FOR 3479 SERIES	LB-11874-002	INITIAL RELEASE	5/24/19
ID LBL FOR 3479/E3479 SERIES	LB-11877-XX	INITIAL RELEASE	5/24/19
ATES CERTIFICATION DRAWING 2800/3479/E3479	MS-10764	A	04/04/08
2800/3479/E3479 SERIES ATEX AND IECEx CERTIFIED INSTALLATION AND OPERATING INSTRUCTIONS	TECH-548-EN	A	8/1/18



Annex to IECEx Certificate of Conformity

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IECEX Certified Components on Which Conformance Depends					
Item	Description	Manufacturer	Type	Certificate No. / Standards*	Coding / Ratings
1	Solenoid Valve	Versa Products Company Inc.	XDBT/XDBS	IECEX SIR 09.0044X	Ex d e IIC T* Gb EX tb III C IP66 T*C Db
2	Solenoid Valve	Versa Products Company Inc.	XS/XT/XU	IECEX SIR 09.0044X	Ex d IIC T* Gb EX tb III C IP66 T*C Db

* "No applicable Technical Differences" or "Technical Differences evaluated and found satisfactory – for detail see ExTR"

Required Manufacturer Routine Testing		
Test	Title/Description of Test	Standard and Clause
1	None	