



# 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](http://www.iecex.com)

Certificate No.: **IECEX ETL 17.0009X** Page 1 of 4 [Certificate history:](#)  
Status: **Current** Issue No: 3 [Issue 2 \(2019-12-30\)](#)  
Date of Issue: 2020-03-05 [Issue 1 \(2017-12-19\)](#)  
[Issue 0 \(2017-04-07\)](#)  
Applicant: **Westlock Controls Corpotation**  
280 Midland Avenue  
Saddle Brook, NJ 07663  
**United States of America**  
Equipment: **2600, 360, 366, D260, D261, D270, D271 Series**  
Optional accessory:  
Type of Protection: **Flameproof 'Ex d', and Dust Protection by Enclosure 'Ex tb'**  
Marking: Ex db IIC T\* Gb Tamb -60°C to + °C  
Ex tb III C T °C Db Tamb -60°C to + °C IP6X  
\* Temperatures dependant upon configuration, see additional information.  
IECEX ETL 17.0009X

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

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

**intertek**



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Date of issue: 2020-03-05

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

Additional  
manufacturing  
locations:

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 60079-1:2014-06** 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/ExTR17.0010/00](#)  
[US/ETL/ExTR17.0010/03](#)

[US/ETL/ExTR17.0010/01](#)

[US/ETL/ExTR17.0010/02](#)

Quality Assessment Report:

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



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

See Annex attached to this certificate for full product information.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- Temperatures at the cable entry point can exceed 70°C and 80°C at the branching point. Selection of cable must be appropriate for the ambient temperature range.
- The certification applies to the enclosure without cable glands, only suitably approved flameproof cable glands may be used with an ingress protection rating of IP6X.
- When conduit is utilized the conduit must be sealed in accordance with clause 13.2.2 of IEC60079-1:2007 with a suitably approved conduit sealing device.
- All unused entries must be plugged with suitably approved flameproof blanks with an ingress protection rating of IP6X.
- The equipment is provided with a serial number label externally, if required by the end user Westlock Controls will supply an internal serial number label
- No modifications must be made to the flamepaths of the unit without consultation of the drawings.
- Flamepath joints are not intended to be repaired.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Details of change from Issue 2 to Issue 3

1. Series code chart below was changed; the strike through test was removed.

Series Code	Cover Type	T Class	Ambient Range
<del>264*/266*/360/366/D260/D270/D261/D271</del>	<del>Beacon</del>	<del>T6 (80°C)</del>	<del>-60°C to +65°C</del>
<del>264*/360/366/D260/D270/D261/D271</del>	<del>Beacon</del>	<del>T5 (95°C)</del>	<del>-60°C to +80°C</del>
<del>264*/360/366/D260/D270/D261/D271</del>	<del>Beacon</del>	<del>T4 (130°C)</del>	<del>-60°C to +110°C</del>
<del>266*/360/366/D260/D270/D261/D271</del>	<del>No-Beacon</del>	<del>T6 (80°C)</del>	<del>-60°C to +65°C</del>
<del>266*/360/366/D260/D270/D261/D271</del>	<del>No-Beacon</del>	<del>T5 (95°C)</del>	<del>-60°C to +80°C</del>
<del>266*/360/366/D260/D270/D261/D271</del>	<del>No-Beacon</del>	<del>T4 (130°C)</del>	<del>-60°C to +110°C</del>

2. Added the following ratings to the coil voltage/electrical chart as follows:

24 VDC                      24 VDC (<1.8W)

120 VAC                     120 VAC (3.2VA)

3. Added models "D260, D270," to the Ex d coils description

## Annex:

[Annex to IECEx certificate IECExETL17.0009X - Issue 03.pdf](#)



# Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	<b>IECEX ETL 17.0009X</b>	<b>Issue No. 03</b>
<b>Annex No. 1</b>		

## General product information:

The 2600, 360, 366 Series Valve Position Monitors and D260, D261, D270 and D271 Valve Position Transmitter provide two methods of end of travel indication by the means of mechanical switches, inductive proximity sensors or proximity switches and an external visual indicator, dependent on model ordered. For applications that require position feedback, ancillary components such as a 4-20mA current signal transmitter, a CS/DS 4-20 mA digital non HART transmitter and a resistive signal feedback can be installed (models 2600, 360, 366) or HART based DS transmitter for (models D260, D261, D270, D271). The 2600, 360, 366, D260, D261, D270, D271 series enclosure is available in two materials: cast Aluminum (2600 or 360 or D260, D261 series) or 316 Stainless Steel (2600 or 366 or D270, D271 series).

The enclosure construction comprises a housing with a threaded cover. The enclosure is cylindrical in construction with an approximate diameter of 130mm and is approximately 100mm tall with the optional beacon measuring approximately 30mm tall mounted beneath the enclosure.

The housing has the option of up to four cable entry positions. Entries are provided for connection purposes, via appropriate IECEx certified cable glands, of sizes M20 x 1.5p, M25 x 1.5p, 1/2"-14NPT or 3/4"-14NPT. The enclosure may optionally be fitted with up to two Ex d coils, which are fitted via M32 x 1.5p, threaded entries at up to two of the four cable entry positions. For the 2600, 360, 366, D260 and D270 series an 1/2npt conduit entry is used the Ex d coils.

On the 2600 series, the first two digits of the WESTLOCK nomenclature signify the series, with the third digit defining whether the product has a visual beacon or not. However, on the 360 or 366 series the first three digits of the nomenclature signify the series, with the fifth and sixth digit defining the type of beacon utilized, or whether a beacon is not fitted.

In the D260 and D270 series the first four digits signify the series, with the fifth and sixth characters defining the shaft option, the next four designate the end of travel feedback switch, followed by two characters designate the Beacon (visual indication), followed by 1 digit for coil voltage, followed by three characters for Falcon valve body, followed by 1 digit for valve options, followed by two characters for certification options and 1 digit for conduit options. In the D261 and D271 series the first four digits signify the series, with the fifth and sixth characters defining the shaft option, the next four designate the end of travel feedback switch, followed by two characters designate the Beacon (visual indication), followed by two characters for certification options and 1 digit for conduit options. The table below details the applicable ambient ranges:

Series Code	T Class	Ambient Range
264*/266*/360/366/D260/D270/D261/D271	T6 (80°C)	-60°C to +65°C
	T5 (95°C)	-60°C to +80°C
	T4 (130°C)	-60°C to +110°C

Certificate issued by:



**Intertek Testing Services NA, Inc.**  
 3933 US Route 11, Cortland, New  
 York-13045, USA

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SFT-IECEX-OP-19f (26 October 2018)



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The below table signifies the ambient temperature range of use and the corresponding T Class of the item if the option for a solenoid is employed. Note the solenoid option is only for model series 2600, 360, 366, D260 and D270.

<b>Solenoid Option for Models 2600, 360, 366, D260 and D270</b>		
<b>Solenoid Option Ambient Range &amp; Temperature Class</b>		
<b>O-Ring Material:</b>	<b>Ambient Range</b>	<b>T Class</b>
EPDM	-55°C to +60°C	T4 (130°C)
LT Buna	-40°C to +52°C	T4 (130°C)
Buna	-20°C to +60°C	T4 (130°C)
Low-Temperature Coil	-60°C to +85°C	T4 (130°C)

On the 2600 series the 4<sup>th</sup> digit detail the switch type utilized, similarly the 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> digits on the equivalent series (360 or 366) and similarly the 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> digits on the equivalent series (D260/D270/D261/D271) detail the switch type used. The following table details the most common switch/sensor types together with their electrical ratings.

The 5<sup>th</sup> and 6<sup>th</sup> digits on the equivalent series (360 or 366) code denote the beacon type. If the series does not have a beacon the 5<sup>th</sup> and 6<sup>th</sup> digits on the series code are replaced by 00.

<b>Series Code / Switch Designation</b>	<b>Electrical Rating</b>
26x4*/36XXXXXXXXM18XX	MAGNUM (DPDT) Rhodium: 200mA/120 VAC, OR 1A/24 VDC MAX.
26x4/36XXXXXXXXM17XX	MAGNUM (DPDT): 3A/120 VAC, 2.5A-230Vac, OR 2A/24 VDC MAX.
26x5/36XXXXXXXXM02XX	MECHANICAL (SPDT): 15A – 125 OR 250 VAC; 6A 24VDC
D260/D270/D261/D271XXXM09XX	MECHANICAL (SPDT) Gold Contact: 6A 24VDC; 15A – 125 OR 250 VAC
26x6/36XXXXXXXXM04XX D260/D270/D261/D271XXXM04XX	MECHANICAL (DPDT): 10A – 125 OR 250 VAC, 10A – 24 VDC,
26x7/36XXXXXXXXM0XXX D260/D270/D261/D271XXXM0XXX	INDUCTIVE PROXIMITY SENSORS limited to: 1A /8-60VDC or 2A/20-250VAC
26x9/36XXXXXXXXM06 or M12XX D260/D270/D261/D271XXXM06XX or M12XX	MAGNUM RATINGS: 3A/120 VAC, <del>4.5A/240 VAC</del> OR 2A/24 VDC

\* Rhodium contact material indicated by 'special feature code'

The third digit on the alternative series codes can either be a 0 or 6, depending on the type of series model used (360 or 366).

The 2600, 360, or 366 series valve position monitor has the option for position feedback by the means of a resistive signal (RS) or current signal (CS) or DS Transmitter (non HART) (DS).



## Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	<b>IECEX ETL 17.0009X</b>	<b>Issue No. 03</b>
<b>Annex No. 1</b>		

The D260, D261 and D270, D271 series Valve Position Transmitter (HART) with option for end of travel switches.

- The RS Transmitter electrical ratings are – 1K Ohms (standard) or 5K or 10K Ohms (optional).
- The CS Transmitter electrical ratings are – current loop 4-20 mA @ 18 to 24 VDC.
- The DS Transmitter electrical ratings are - current loop 4-20 mA @ 9 to 30 VDC.

The 2600, D260, D270, 360 or 366 series can also be fitted with up to two Ex d coils with the following possible electrical ratings.

COIL VOLTAGE	ELECTRICAL RATINGS
12 VDC	12 VDC (0.7W)
24 VDC	24 VDC (<1.8W)
125 VDC	125 VDC (1W)
90-120 VAC	90-120 VAC (4VA)
120 VAC	120 VAC (3.2VA)
220-240 VAC	220-240 VAC (4VA)
OTHERS	LIMITED TO 1.8W OR 4VA

<b>Technical Documents</b>			
Title:	Drawing No.:	Rev. Level:	Date:
360,366,2600, D260, D261, D270, D271 ATEX/IECEX Label Master	LB-040801UK	J	11/19/19
Certification Drawing 360,366,2600, D260, D261, D270, D271 (ATEX & IECEx) Sheets 1 and 2	MS-10762	E	11/19/19
Installation & Operating Instructions. Westlock 360, 366, 2600 D260, D261 D270, D271 Series	Tech-554	--	10/06/2019

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