



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 17.0009X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 4 Issue 3 (2020-03-05)
Date of Issue: 2022-01-28 Issue 2 (2019-12-30)
Applicant: **Westlock Controls Corporation** Issue 1 (2017-12-19)
280 Midland Avenue Issue 0 (2017-04-07)
Saddle Brook, NJ 07663
United States of America
Equipment: **Valve Position Monitors (2600, 360, 366, D260, D261, D270, D271 Series)**
Optional accessory:
Type of Protection: **Flameproof 'db', and Dust Protection by Enclosure 'tb'**
Marking: Ex db IIC T* Gb
Ex tb IIIC T* Db IP 6X
-60°C ≤ Ta ≤ *°C
*Dependent on configuration, see description/annex for details
IECEX ETL 17.0009X

Approved for issue on behalf of the IECEx
Certification Body:

Kevin J. Wolf

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 or use of this QR Code.



Certificate issued by:

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

intertek



IECEX Certificate of Conformity

Certificate No.: **IECEX ETL 17.0009X**

Page 2 of 4

Date of issue: 2022-01-28

Issue No: 4

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

Additional manufacturing locations: **Crane Fluid & Gas Systems (Suzhou) Co., Ltd.**
No. 1, Runsheng Road
SIP
Suzhou
Jiangsu 215126
China

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/ExTR17.0010/04](#)

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

Quality Assessment Reports:

[GB/FME/QAR22.0001/01](#)

[US/FMG/QAR08.0002/11](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX ETL 17.0009X**

Page 3 of 4

Date of issue: 2022-01-28

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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 DS 4-20 mA digital non HART transmitter 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 Aluminium (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 a 1/2 NPT 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.

Refer to Annex of the Certificate for tables detailing ambient ranges, temperature codes, and electrical ratings and additional 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 the cable must be appropriate for the ambient temperature range.
- When conduit is utilized, the conduit must be sealed in accordance with clause 13.2.2 of IEC 60079-1 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.



IECEX Certificate of Conformity

Certificate No.: **IECEX ETL 17.0009X**

Page 4 of 4

Date of issue: 2022-01-28

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Revised Product Description Section to match the ATEX Certificate ETL21ATEX0056X;
- Updated Drawing LB-040801UK from Rev. Level J to Rev. Level K;
- Updated Drawing MS-10762 from Rev. Level E to Rev. Level F;
- Replaced Drawing Tech-554 with Tech-546-EN Rev. Level C;
- Added Drawing VCIOM-05081 Rev. Level --.
- Added alternate Manufacturer: Crane Fluid & Gas Systems (Suzhou) Co., Ltd.

Annex:

[SFT-IECEX-OP-19f - Annex for IECEx Certificate of Conformity_1.pdf](#)



Annex to IECEx Certificate of Conformity

| | | |
|-----------------|--------------------|-------------|
| Certificate No: | IECEX ETL 17.0009X | Issue No. 4 |
| Annex No. 2 | | |

| Technical Documents | | | |
|--|--------------|-------------|------------|
| Title: | Drawing No.: | Rev. Level: | Date: |
| 360, 366, 2600, D260, D261, D270, D271 ATEX / IECEx Label Master | LB-040801UK | K | 10/27/2021 |
| Certification Drawing 360, 366, 2600, D260, D261, D270, D271 ATEX / IECEx | MS-10762 | F | 10/25/2021 |
| Digital Epic D200 Models Operating Manual | Tech-546-EN | C | 10/20/2021 |
| 2600 Series ATEX IECEx and UK CA Certified Installation and Operating Instructions | VCIOM-05081 | -- | -- |



Annex to IECEx Certificate of Conformity

| | | |
|------------------------|---------------------------|--------------------|
| Certificate No: | IECEX ETL 17.0009X | Issue No. 4 |
| Annex No. 2 | | |

The table below details the applicable ambient ranges:

| Series Code | T Class | Ambient Range |
|-----------------------------|------------|-----------------|
| 264*/266*/360/366/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 |

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.

| Ambient Ranges for X(TAB) models with H-class coils | | | | | |
|---|-----------------|------------------|----------------|----------------|-----------------|
| Configuration | | Temperature Code | | | |
| Power | O-Ring Material | T6 | T5 | T4 | T3 |
| 1.80 W & 0.85 W & 0.50 W | EPDM | -55°C to +42°C | -55°C to +57°C | -55°C to +60°C | -55°C to +60°C |
| | LT Buna | -40°C to +42°C | -40°C to +52°C | -40°C to +52°C | -40°C to +52°C |
| | Buna | -20°C to +42°C | -20°C to +57°C | -20°C to +60°C | -20°C to +60°C |
| 4 W | FKM | -20°C to +42°C | -20°C to +57°C | -20°C to +87°C | -20°C to +105°C |
| | EPDM | -55°C to +31°C | -55°C to +46°C | -55°C to +60°C | -55°C to +60°C |
| | LT Buna | -40°C to +31°C | -40°C to +46°C | -40°C to +52°C | -40°C to +52°C |
| | Buna | -20°C to +31°C | -20°C to +46°C | -20°C to +60°C | -20°C to +60°C |
| | FKM | -20°C to +31°C | -20°C to +46°C | -20°C to +76°C | -20°C to +105°C |

| Solenoid Option for Models 2600, 360, 366, D260 and D270 | | | |
|--|------------------|----------------|----------------|
| Ambient Range & Temperature Class | | | |
| Configuration | Temperature Code | | |
| | T6 (80°C) | T5 (95°C) | T4 (130°C) |
| Westlock Low-Temperature Coil | -60°C to +65°C | -60°C to +80°C | -60°C to +85°C |

On the 2600 series the 4th digit detail the switch type utilized, similarly the 10th, 11th, and 12th digits on the equivalent series (360 or 366) and similarly the 8th, 9th, and 10th 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 5th and 6th digits on the equivalent series (360 or 366) code denote the beacon type. If the series does not have a beacon the 5th and 6th digits on the series code are replaced by 00.

| Series Code / Switch Designation | Electrical Rating |
|--|--|
| 26x5/360/366XXXXXXXXM02XXXXXXXX | Mechanical (SPDT): 15A -125 or 250 VAC, 6A - 24 VDC |
| 26x6/360/366XXXXXXXXM04XXXXXXXXXX XX D260/D270/D271/D271XXXM04XXXXXX XXXX | Mechanical (DPDT): 10A - 125 or 250 VAC, 10A - 24 VDC |
| 26x9/360/366XXXXXXXXM06XXXXXXXXXX X D260/D270/D261/D271XXXM06XXXXXX XXXX | Magnum (SPDT): 3A - 120 VAC or 2A - 24 VDC |
| 26x7/360/366XXXXXXXXMXXX XXX D260/D270/D261/D271XXXM08XXXXXX XXXX | Inductive Proximity Sensors limited: 1A - 8 to 60 VDC or 2A - 20 to 250 VAC |

Certificate issued by:



Total Quality. Assured.

Page 2 of 3

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



Annex to IECEx Certificate of Conformity

| | | |
|------------------------|---------------------------|--------------------|
| Certificate No: | IECEX ETL 17.0009X | Issue No. 4 |
| Annex No. 2 | | |

| | |
|--|--|
| D260/D270/D261/D271XXX M09 XXXXXX XXXX | Mechanical Gold Contact (SPDT): 6A - 24 VDC, 15A - 125 or 250VAC |
| 26x 9 */360/366XXXXXXXX M12 XXXXXXXXXX XX D260/D270/D261/D271XXX M12 XXXXXX XXXX | Magnum Rhodium Contacts (SPDT): 200mA - 120 VAC or 1A - 24 VDC |
| 360/366XXXXXXXX M14 XXXXXXXXXXXX | SPST Super Magnum Switches (Bifurcated Reed): 3A - 120 VAC, 2A - 24 VDC |
| 26x 4 /360/366XXXXXXXX M17 XXXXXXXXXX | Magnum (DPDT) Cobra: 3A - 120 VAC, 2,5A - 230 VAC, 2A - 24 VDC max. |
| 26x 4 */360/366XXXXXXXX M18 XXXXXXXXXX XX | DPDT Magnum Cobra, Rhodium Contacts: 200 mA - 120 VAC, 2A - 24 VDC |

* Rhodium contact material indicated by 'special 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 DS Transmitter (non HART) (DS).

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

- The DS Transmitter electrical ratings are – current loop 4-20mA @ 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 |
|--------------|--------------------------|
| 24 VDC | 24 VDC (<1.8 W) |
| 125 VDC | 125 VDC (1 W) |
| 90-120 VAC | 90-120 VAC (4 VA) |
| 120 VAC | 120 VAC (3.2 VA) |
| 220-240 VAC | 220-240 VAC (4 VA) |
| Others | Limited To 1.8 W or 4 VA |