



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 17.0007X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 Issue 1 (2017-12-29)
Issue 0 (2017-04-07)
Date of Issue: 2022-01-10
Applicant: **Westlock Controls Corporation**
280 N. Midland Avenue
Saddle Brook, NJ 07663
United States of America
Equipment: **316 Silver Bullet**
Optional accessory:
Type of Protection: **Flameproof 'db', Dust Protection by Enclosure 'tb'**
Marking: Ex db IIC T* Gb
Ex tb III C T* Db IP6X
-20°C ≤ Ta ≤ +84°C (T5/T100°C)
-20°C ≤ Ta ≤ +69°C (T6/T185°C) or
-50°C ≤ Ta ≤ +84°C (T5/T100°C)
IECEX ETL 17.0007X

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



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Issue No: 2

Manufacturer: **Westlock Controls Corporation**
280 N. 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/ExTR17.0008/00](#)

[US/ETL/ExTR17.0008/01](#)

[US/ETL/ExTR17.0008/02](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Model 316 (Silver Bullet) series proximity switch operates on the principle of magnetic attraction reacting to ferromagnetic triggers as they come within the sensing range. The Model 316, when actuated by the presence of the ferromagnetic trigger, changes state of electrical contacts from Normally Closed (NC) to Normally Open (NO). This product is available in 316 stainless steel material only with any of the following features:

- M20 x 1.5 or 1/2-14 NPT internal connection thread
- Single Pole Double Throw (SPDT) or Double Pole Double Throw (DPDT)
- Tungsten, Rhodium or Gold plated contacts
- Hall effect sensor
- Standard cable length - 6m (20 feet) (other cable lengths are available)
- The maximum ambient temperature range is -20°C to +84°C (T5/T100°C) and -20°C to +69°C (T6/T85°C) or -50°C to +84°C (T5/T100°C)
- The Silver Bullet was tested with a cemented flamepath and as an Ex db enclosure and therefore can be fitted with or without a cable gland to the rear.

See annex for manufacturer's documents, model nomenclature and ratings.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- When used with a cable gland it shall be fitted with an Ex d IIC Gb and Ex tb IIIC Db cable gland, of thread form M20 or 1/2"-14 NPT depending on the entry thread of the Silver Bullet.
- When conduit is used a suitably approved stopping box must be used, at a distance from the Silver Bullet which is less than the diameter of the conduit.
- The casing of the Silver Bullet must be suitably earthed / equipotential bonded via earthed metal conduit or the threaded outer of the body.
- The equipment is supplied with flying leads. The cable must be protected mechanically and terminated within an enclosure protected by a recognized IECEx method of protection appropriate to the location if located in a potentially explosive atmosphere.
- Flamepath joints are not intended to be repaired.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Update Standard from IEC 60079-0:2011 Ed.6 to IEC 60079-0:2017 Ed.7;
- Revised Product Description Section to match the ATEX Certificate ETL21ATEX0059X;
- Updated Drawing MS-090903UK from Rev. Level A to Rev. Level B;
- Updated Drawing LP-041001UK from Rev. Level B to Rev. Level C;
- Replaced Drawing VCIOM 04467 with Drawing Tech-167-EN.

Annex:

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



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ETL 17.0007X	Issue No. 2
Annex No. 2		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
*316 Silver Bullet Marking Drawing ATEX and IECEx	MS-090903UK	B	10/28/2021
*316 Silver Bullet Marking Drawing ATEX and IECEx	LB-041001UK	C	10/27/2021
*Installation & Operation Instructions. Westlock Model 316 Silver Bullet	Tech-167-EN	C	10/29/2021

Model Nomenclature:

Switch Design	Contact Material	Conduit	Length of Cable	Special Feature
S SPDT	T Tungsten	M M20x1.5p	XXX Flying Lead Length in Feet (Meters)	AAA Standard
D DPDT	R Rhodium	N ½" – ¼" NPT	020 20 Feet (6m)	XXX Special Variation
H Hall Effect	G Gold Plated		004 4 Feet (1.2m)	
B Bifurcated SPDT	O For Hall Effect			

Example code: 316SB-STM-020-AAA

SPDT, Tungsten, M20, 20 Foot Cable, Standard Configuration

Electrical Ratings:

Contact Material	Electrical Ratings
Tungsten	2A/24VDC, 3A/120VAC, 1.5A/240VAC
Rhodium or Gold	1A/24VDC, 200mA/120VAC
Hall's Effect Sensor	1mA/5VDC

Certificate issued by:



Total Quality. Assured.

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