

# EU-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive  
2014/34/EU

- EU-Type Examination Certificate Number:** ETL21ATEX0059X      **Issue 00**
- Product:** 316 Silver Bullet
- Manufacturer:** Westlock Controls Corporation
- Address:** 280 N Midland Ave  
Saddle Brook, NJ 07663-5708; USA
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing Services NA Ltd., Notified Body number 2903 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II of the Directive.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1:2014 and EN 60079-31:2014 except in respect of those requirements referred to within item 14 of the Schedule.
- If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:

II 2 G Ex db IIC T\* Gb

II 2 D Ex tb IIIC T\* Db IP 6X



-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)

\*Dependent on configuration, see description for details

**Certification Officer:** \_\_\_\_\_



Kevin J. Wolf

**Date:** \_\_\_\_\_

17 Novemembr 2021

## SCHEDULE:

EU-Type Examination Certificate Number: ETL21ATEX0059X Issue 00

### 11. Description of Equipment or Protective System

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.

The part coding of the 316 Silver Bullet is as follows:

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" – ¾" NPT	020 20 Feet (6M)	XXX Special Variation
H Hall Effect	G Gold Plated		004 4 Feet (1.2M)	
B Bifurcated SPDT	0 For Hall Effect			

Example code: 316SB-STM-020-AAA

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

Silver Bullet 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

## SCHEDULE:

EU-Type Examination Certificate Number: ETL21ATEX0059X Issue 00

### 12. Report Number

Intertek Report: 104784554CRT-001b Issue: 00 Dated: 02-November-2021.

### 13. Special Conditions of Certification

#### (a). Special Conditions of Use

- 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.

#### (b). Conditions of Manufacture - Routine Tests

- None

### 14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104784554CRT-001b Issue: 00 Dated: 02-November-2021.

### 15. Drawings and 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 & Operating Instructions. Westlock Model 316 Silver Bullet	Tech-167-EN	C	10/29/2021