




1. EC-TYPE EXAMINATION CERTIFICATE

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**
3. EC-Type Examination Certificate Number: **ITS10ATEX16970X**
4. Equipment or Protective System: **316 Silver Bullet**
5. Manufacturer: **WESTLOCK Controls Ltd**
6. Address: **22 Chapman Way, Tunbridge Wells, Kent, TN2 3EF. UK**
7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Intertek Testing and Certification Limited, notified body number 0359 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report 09040038A1 dated June 2010.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN60079-0:2009, EN60079-1:2007 and EN61241-1:2004 except in respect of those requirements referred to at item 18 of the Schedule.
10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
11. This EC-Type examination certificate relates only to the design and construction of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
12. The marking of the equipment or protective system shall include the following:-

 II 2 GD Ex d IIC T* Gb
Ex tb IIIC T* Db IP6X


P Moss
Certification Officer
11th June 2010

Intertek Testing & Certification Limited
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Registered No 3272281 Registered Office: 25 Savile Row London W1X 1AA

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13. SCHEDULE

14. EC-TYPE EXAMINATION CERTIFICATE NUMBER: ITS10ATEX16970X

15. 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 to +84°C (T5/T100°C) and -20 to +69°C (T6/T85°C).

Part coding of the 316 Silver Bullet is as follows;

316SB-

Switch Design

S SPDT
D DPDT
H Hall Effect
B Bifurcated SPDT

Contact Material

T Tungsten
R Rhodium
G Gold Plated
0 For Hall Effect

Conduit

M M20 x 1.5p
N 1/2"-14 NPT

Length of Cable

XXX Flying lead length in Feet (meters)
020 20 Feet (6M)
004 4 Feet (1.2M)

Special Feature

AAA Standard
XXX Special variation.

Alternative manufacturing location:

WESTLOCK Controls Corporation
280 Midland Avenue
Saddle Brook,
NJ 07663
USA

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13. SCHEDULE

14. EC-TYPE EXAMINATION CERTIFICATE NUMBER: ITS10ATEX16970X

16. Report Number:

Intertek Report 09040038A1 dated June 2010.

17. CONDITIONS OF CERTIFICATION:

(a). Special Conditions for safe use

- The encapsulating compound must be protected from UV radiation
- The cable entry is either an M20 x 1.5 or 1/2-14 NPT internal connection thread
- Only suitably approved ATEX cable glands or conduit stopping devices 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
- The casing of the Silver Bullet must be suitably earthed/ equipotentially bonded unless the installation consists of an earthed metal conduit.
- WARNING - DO NOT OPEN WHEN ENERGISED OR WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

(b). Conditions For Use (Routine Tests)

There are no conditions for use.

18. Essential Health and Safety Requirements (EHSR's)

The relevant EHSR's have been identified and assessed in Intertek Report 09040038B1 dated June 2010.

19. Drawings and Documents

Number	Title	Issue	Date
MS-090903UK	316 SILVER BULLET ATEX/IEC APPROVAL DRAWING Sheet 1 of 1	-	25-09-09
LB-041001UK	316 SILVER BULLET MARKING DRAWING ATEX AND IECEx Sheet 1 of 1	-	07-04-10

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1. **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in
Potentially Explosive Atmospheres Directive 94/9/EC**

3. Supplementary EC-Type Examination Certificate Number: **ITS10ATEX16970X-1**

4. Equipment or Protective System: **Silver Bullet**

5. Manufacturer: **WESTLOCK Controls Ltd,**

6. Address: 22 Chapman Way, Tunbridge Wells, Kent, TN2 3EF, UK

7. This supplementary certificate extends EC-Type Examination Certificate Number ITS10ATEX16970X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said Certificate but having variations specified in the Schedule attached to this certificate and the documents therein referred to.

Intertek Report 12057023A1, dated March 2012

This Supplementary Certificate shall be held with the original Certificate



**P Rawlinson
Certification Officer
5 April 2012**

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Schedule

SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE NUMBER: ITS10ATEX16970X-1

VARIATION ONE

Description of the Variation to the Equipment or Protective System.

To permit the following change:

- To remove the need to control the epoxy used to secure the sub-assembly within the enclosure.
- To allow an additional water IP rating to be placed upon the label.

Report No.

Intertek Report Ref : 12057023A1

CONDITIONS OF CERTIFICATION

(a) Special Conditions for Safe Use:

Refer to the original certificate.

(b) Conditions for Use (Routine Tests):

Refer to the original certificate.

Essential Health and Safety Requirements

See original certificate

DRAWINGS

Number	Issue	Date	Description
MS-090903UK	A	20/01/12	316 SILVERBULLET ATEX / IEC APPROVAL DRAWING
LB-041001UK	A	09/03/2012	316 SILVER BULLET MARKING DRAWING ATEX AND IECEX

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