

# 1 EU-TYPE EXAMINATION CERTIFICATE



2 **Equipment or Protective systems intended for use in Potentially  
Explosive Atmospheres - Directive 2014/34/EU**

3 **EU-Type Examination Certificate No: FM15ATEX0061X**

4 **Equipment or protective system: D510, D516, D520 and D526 Valve Position Transmitter  
(Type Reference and Name)**

5 **Name of Applicant: Westlock Controls Corporation**

6 **Address of Applicant: 280 N Midland Ave, Ste 258  
Saddle Brook NJ 07663  
United States of America**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

8 FM Approvals Europe Ltd, notified body number 2809 in accordance with Article 17 of Directive 2014/34/EU of 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number:

3054283 dated 24<sup>th</sup> March 2016

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN IEC 60079-0:2018; EN60079-1:2014; EN 60079-31:2014 and  
EN 60529:1991+A1:2000+A2:2013

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

11 This EU-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 2014/34/EU. 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:



II 2 G Ex db IIB+H<sub>2</sub> T5 Gb Ta = -50°C to +85°C

II 2 D Ex tb IIIC T88°C Db Ta = -50°C to +85°C

**Richard Zammitt  
Certification Manager, FM Approvals Europe Ltd.**

Issue date: 07<sup>th</sup> February 2023

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

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F ATEX 020 (Dec/2020)



# SCHEDULE



Member of the FM Global Group

to EU-Type Examination Certificate No. FM15ATEX0061X

## 13 Description of Equipment or Protective System:

Models D510, D516, D520 and D526 are two-wire transmitters designed to convert a valve position into a 4-20 mA output signal. The device consists of two explosionproof enclosures. The main (larger) housing contains the electronic module which contains four printed circuit boards, one hall sensor printed circuit board and one non-instructive calibration printed circuit board. The smaller housing contains field wiring printed circuit board. The D510 and D516 models differ from the D520 and D526 models in that the D510 and D516 enclosure covers are provided with a window, while the D520 and D526 enclosure covers are not provided with a window. The equipment has an Ingress Protection rating of IP66 / IP67.

### ***D510-abcd, D516-abcd, D520-abcd and D526-abcd. Valve Position Transmitter.***

a = Application Type: LV, LR, RO or RR.

b = ESD/PST Diagnostics: 0, 11, 1N or 1B.

c = Optional Approval: A.

d = Conduit Options: 1 or 2.

## 14 Specific Conditions of Use:

1. Consult the manufacturer if dimensional information on the flameproof joints is necessary.
2. The powder coated surface of the D510, D516, D520 or D526 Valve Position Transmitter may store electrostatic charge and become a source of ignition in applications with a low relative humidity <~30% relative humidity where the painted surface is relatively free of surface contamination such as dirt, dust, or oil. Cleaning of the painted surface should only be done with a damp cloth.

## 15 Essential Health and Safety Requirements:

The relevant EHSRs that have not been addressed by the standards listed in this certificate have been identified and assessed in the confidential report identified in item 8.

## 16 Test and Assessment Procedure and Conditions:

This EU-Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim for CE Marking, FM Approvals Europe Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

This Certificate has been issued in accordance with FM Approvals Europe Ltd's ATEX Certification Scheme.

## 17 Schedule Drawings

A list of the significant parts of the technical documentation is annexed to this certificate and a copy has been kept by the Notified Body.

## 18 Certificate History

Details of the supplements to this certificate are described below:

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# **SCHEDULE**



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<b>Date</b>	<b>Description</b>
30 <sup>th</sup> March 2016	Original Issue.
30 <sup>th</sup> November 2017	<u>Supplement 1:</u> Report Reference: RR210674 dated 27 <sup>th</sup> November 2017. Description of the Change: Addition of stainless steel models D516 and D526. Correction and update of EN 60529:2002 to display EN 60529:1991 +A1:2000 + A2:2013.
20 <sup>th</sup> March 2019	<u>Supplement 2:</u> Description of the Change: Certificate transferred from FM Approvals Ltd., notified body no. 1725, to FM Approvals Europe Ltd., notified body no. 2809.
07 <sup>th</sup> February 2023	<u>Supplement 3:</u> Report Reference: PR463310 dated 30 <sup>th</sup> January 2023. Description of the Change: Update EN 60079-0 examination to the 2018 edition and other minor documentation and model code changes not affecting the equipment safety. IP rating moved from section 12 to 13.

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# Blueprint Report

**Westlock Controls Corp (1000004327)**

**Class No 3615**

**Original Project I.D. 3054283**

**Certificate I.D. FM15ATEX0061X**

<u>Drawing No.</u>	<u>Revision Level</u>	<u>Drawing Title</u>	<u>Last Report</u>
LB-11523-XXX	B	I.D. LABEL Ex D 510/520 D-EPIC ATEX AND IECEX	PR463310
MS-10877 SHT 1	B	CERTIFICATION DRAWING DIGITAL EPIC-2 ASY - SHEET 1 OF 2	RR210674
MS-10877 SHT 2	B	CERTIFICATION DRAWING DIGITAL EPIC-2 ASY - SHEET 2 OF 2	RR210674
MS-10878	-	CERTIFICATION DRAWING DIGITAL EPIC-2 VALVE ASY	3054283
MS-10890	-	DEPIC2 FLAME PATH REFERENCE DRAWING	3054283
TECH-491Q	A	DEPIC2 HART POSITION TRANSMITTER (INSTALLATION & OPERATION MANUAL)	PR463310