

CERTIFICATE OF CONFORMITY



- HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
- Certificate No:** FM21US0045X
- Equipment:** Level Switch, Models PLS-4P-a-b-HAZ
(Type Reference and Name)
- Name of Listing Company:** AutomationDirect.com
- Address of Listing Company:** 3505 Hutchinson Road
Cumming, GA 30040
USA
- The examination and test results are recorded in confidential report number:

PR459968 dated 29th July 2021
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2018, FM Class 3616:2011, FM Class 3810:2018,
ANSI/IEC 60529:2004, ANSI/UL 61010-1:2017
- 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.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

Certificate issued by:

J.E. Marquedant

VP, Manager - Electrical Systems

29 July 2021

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com



SCHEDULE



US Certificate Of Conformity No: FM21US0045X

10. Equipment Ratings:

Dust-Ignitionproof for Class II, Division 1, Groups E, F and G, and Class III, Division 1 hazardous (classified) locations, indoors and outdoors (IP66) with an ambient temperature rating of -20°C to +60°C.

11. The marking of the equipment shall include:

Class II, Division 1, Groups E, F, G, Class III, Division 1; T4 Ta = -20°C to +60°C; IP66

12. **Description of Equipment:**

General:

Level Switch, Models PLS-4P-a-b-HAZ are paddle-type level limit switches for granular solids. They operate on the principle of a rotating paddle that, when in contact with the process, will stop rotating and operate a switch contact.

Construction:

The PLS-4P-a-b-HAZ level switches use an NPT 1 ¼ threaded, PBT process connection. The paddle material is fold-away, stainless steel 304.

Operation Temperature Ranges:

The ambient operating temperature range is -20°C to 60°C. The process temperature range is -20°C to 60°C.

Electrical data:

Operating voltages: 115VAC, 20-28VDC, or 230VAC
Frequency: 50/60Hz
Current: 3.5VA

PLS-4P-a-b-HAZ. Level Switch.

a = Paddle Length: 1 (Shaft, 100mm), 2 (Shaft, 200mm), 3 (Shaft, 300mm), R (Rope, 2000mm, shortable)
b = Power Supply: 115 (115VAC), 24D (20-28VDC), 230 (230VAC)

13. **Specific Conditions of Use:**

1. To prevent the risk of electrostatic sparking, non-metallic surfaces should be cleaned with a damp cloth.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

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SCHEDULE



US Certificate Of Conformity No: FM21US0045X

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
29 th July 2021	Original Issue.

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FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
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CERTIFICATE OF CONFORMITY



1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM21CA0031X
3. **Equipment:** Level Switch, Models PLS-4P-a-b-HAZ
(Type Reference and Name)
4. **Name of Listing Company:** AutomationDirect.com
5. **Address of Listing Company:** 3505 Hutchinson Road
Cumming, GA 30040
USA
6. The examination and test results are recorded in confidential report number:

PR459968 dated 29th July 2021
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

CSA-C22.2 No. 25:2017, CAN/CSA-C22.2 No. 61010-1:2012,
CSA-C22.2 No. 60529:R2016
8. 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.

Certificate issued by:

J.E. Marquedant

VP, Manager - Electrical Systems

29 July 2021

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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SCHEDULE



Canadian Certificate Of Conformity No: FM21CA0031X

9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

10. **Equipment Ratings:**

Dust-Ignitionproof for Class II, Division 1, Groups E, F and G, and Class III, Division 1 hazardous locations, indoors and outdoors (IP66) with an ambient temperature rating of -20°C to +60°C.

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b = Power Supply: 115 (115VAC), 24D (20-28VDC), 230 (230VAC)

13. **Specific Conditions of Use:**

1. To prevent the risk of electrostatic sparking, non-metallic surfaces should be cleaned with a damp cloth.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

15. **Schedule Drawings**

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SCHEDULE



Canadian Certificate Of Conformity No: FM21CA0031X

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16. Certificate History

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