

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM18CA0040X
3. **Equipment:** Capacitive Sensors
(Type Reference and Name)
4. **Name of Listing Company:** Turck Inc.
5. **Address of Listing Company:** 3000 Campus Drive
Plymouth, MN 55441
United States
6. The examination and test results are recorded in confidential report number:
3062911 dated 22nd March 2018
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:
CAN/CSA C22.2 No. 0-10:R2015, CAN/CSA C22.2 No. 213:2017, CAN/CSA-C22.2 No. 61010-1:2015,
CAN/CSA-C22.2 No. 60529:2005
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.
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:**
Nonincendive for Class I, Division 2, Groups A, B, C & D, Hazardous Locations with IP67, when installed per Control Drawing NI-2.524
11. The marking of the equipment shall include:
Class I, Division 2, Groups A, B, C, D; T4; Ta = -25°C to +70°C; NI-2.524; IP67
CAUTION: DO NOT DISCONNECT WHEN CIRCUIT IS LIVE
AVERTISSEMENT – RISQUE D'EXPLOSION. NE PAS CONNECTER OU DECONNECTER LORSQUE LE CIRCUIT EST SOUS EN TENSION

Certificate issued by:

J.E. Marquedant
VP, Manager, Electrical Systems

22 March 2018

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

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SCHEDULE



Canadian Certificate Of Conformity No: FM18CA0040X

12. Description of Equipment:

General – The Turck Capacitive Sensors are non-contact sensing for detecting a wide variety of materials, used in applications such as liquid level control, plastic pellet detection, grain or other food product level detection, etc... The sensors connect to Turck Eurofast Series cords and cables, and the connectors are secured using the Lokfast guards.

Operation Temperature Ranges - The ambient operating temperature range is -25°C to +70°C.

Ratings - The Capacitive Sensors operate at a voltage range of 10 to 30Vdc or 10 to 65Vdc.

ab-cd-efghi-j/k Capacitive Sensors

- a = Mounting: BC or BCT
- b = Sensing Distance: 5 or 10
- c = Housing Style: M or S
- d = Housing Diameter: M8 or S18
- e = Output Function: A, R, or U
- f = Output Type: P or N
- g = Voltage Range: 4 or 6
- h = LED: X, X2, or blank
- i = Teachable: T or blank
- j = Sensors with connector: H1141 or H1151
- k = Option: S250 or blank

13. Specific Conditions of Use:

- 1. The Lokfast guards present a potential electrostatic charging hazard. Clean only 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

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
22 nd March 2018	Original Issue.

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