



FM Approvals  
1151 Boston Providence Turnpike  
P.O. Box 9102 Norwood, MA 02062 USA  
T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com

Member of the FM Global Group

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

**Bi a-bcdef-gh6k-l/S1751/p, Bi a-bcdef-gh6k-mn41/S1751/p, BIM-bM12f-gP6k-H1141/S1751/p, Ni a-bcdef-gh6k-l/S1751/p, and Ni a-bcdef-gh6k-mn41/S1751/p  
Cylindrical Inductive Proximity Sensors**

NI / 1 / 2 / ABCD / T4A Ta = 70°C; IP67 — NI-2.409

a = Sensing distance in mm

b = Housing material: E or blank

c = Housing style: G, M, P or S (P or S only with 18 or 30 mm diameter housing options)

d = Housing coating: T or blank

e = Housing diameter: 12, 18, or 30

f = Housing style modifier: E, K, M, T or blank

g = Output function: A or R

h = Output type: P or N

k = LED indication: X, X2 or blank

l = Integral cord length: length in meters followed by 'M', or blank for 2 meter cord

m = Connector type: B1, B2, or H1

n = Connector transition: 1, 3, or 4

p = Options: F2, S34, S100, S1589

*Special Condition of Use:*

- 1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application including provisions for Division 2 wiring method and access only by the use of a tool.*
- 2. It is the responsibility of the manufacturer to provide warning markings in French where required by local jurisdictions.*

**Bi a-c-de6f- gh41/S1751/k and Ni ab-c-de6f- gh41/S1751/k Rectangular Inductive Proximity Sensors**

NI / 1 / 2 / ABCD / T4A Ta = 70°C; IP67 — NI-2.409

a = Sensing distance in mm

b = Sensing technology: U or blank



Member of the FM Global Group

c = Housing style: CP80, Q80 or Q20  
d = Output function: A or R  
e = Output type: P or N  
f = LED indication: X, X2 or blank  
g = Connector type: B1, B2, or H1  
h = Connector transition: 1, 3 or 4  
k = Options: F2, S34, S100, S1589

*Special Condition of Use:*

- 1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application including provisions for Division 2 wiring method and access only by the use of a tool.*
- 2. It is the responsibility of the manufacturer to provide warning markings in French where required by local jurisdictions.*

### Equipment Ratings:

Nonincendive apparatus for use in Class I, Division 2, Groups A, B, C & D; Suitable for IP 67 indoor/outdoor hazardous locations, in accordance with control drawing NI-2.409. The temperature Class is T4A @ Ta = 70°C

### FM Approved for:

Turck Inc.  
3000 Campus Drive  
Minneapolis, MN 55441



This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CSA-C22.2 No.213	2004
CSA-C22.2 No.142	2004
IEC 60529	2001

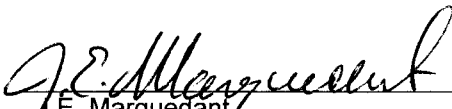
Original Project ID: 3030545c

Approval Granted: July 3, 2008

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
090921	November 5, 2009		

FM Approvals LLC

  
\_\_\_\_\_  
J.E. Marquedant  
Group Manager, Electrical

5 November 2009  
Date