FM Approvals
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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 / I / 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 / I / 2 / ABCD / T4A Ta = 70°C; IP67 — NI-2.409
a = Sensing distance in mm
b = Sensing technology: U or blank

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

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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