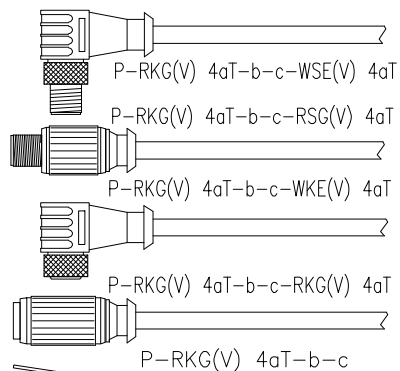
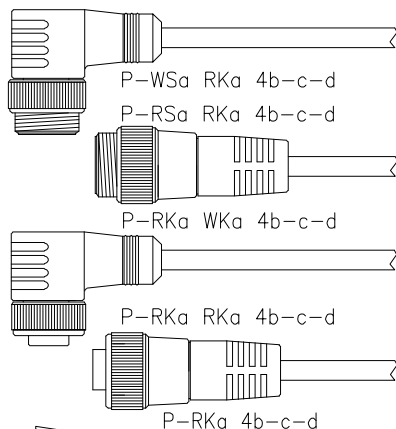


FM Approved Inductive Proximity Sensors

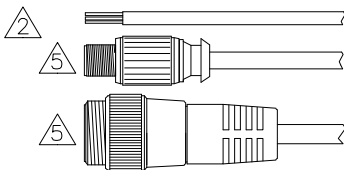
NON-HAZARDOUS LOCATION



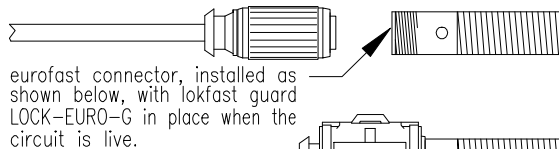
a = conductor color code
b = 3 digit ITC cable code
c = cable length in meters



a = material M or V
b = conductor color code
c = 3 digit ITC cable code
d = cable length in meters



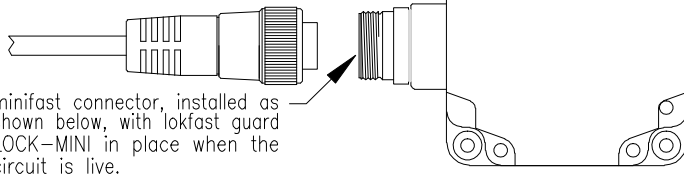
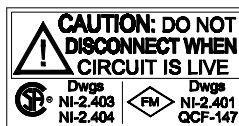
HAZARDOUS (CLASSIFIED) LOCATION Class I, Division 2, Groups A,B,C,D



eurofast connector, installed as shown below, with lokfast guard LOCK-EURO-G in place when the circuit is live.

Sensors with eurofast connectors (H1.41 part number code)

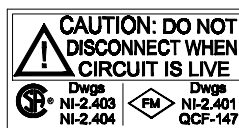
label detail



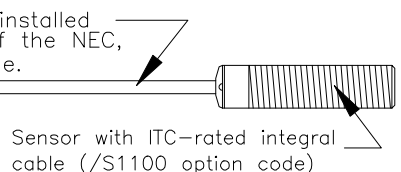
minifast connector, installed as shown below, with lokfast guard LOCK-MINI in place when the circuit is live.

Sensors with minifast connectors (B..41 part number code)

label detail



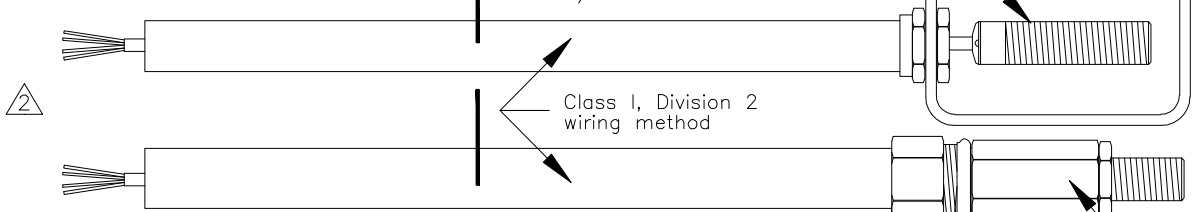
Sensor cable must be installed per the requirements of the NEC, Article 727 for ITC cable.



Sensors with integral cable

Sensor with ITC-rated integral cable (/S1100 option code)

Sensor installed in an equipment enclosure meeting the requirements of ANSI/ISA S82.01 and S82.03.



Sensors with integral cable

Class I, Division 2 wiring method

Turck TMF12-., TMF18-., or TMF30-. thread adapter

Sheet 1: US Installations

Drawing No.:

NI-2.409

TURCK

3000 Campus Drive
Plymouth, MN 55441
Phone: (763) 553-7300

Title:

Control Drawing for FM Approved Inductive Proximity Sensors

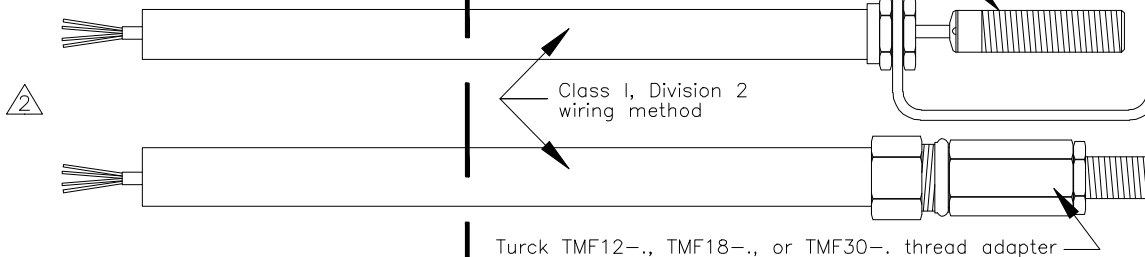
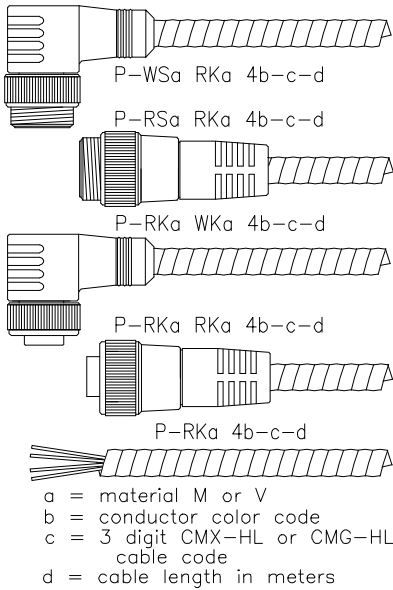
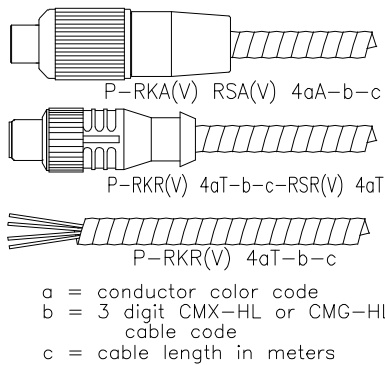
Scale: NONE

Sheet 1 of 3

B	Add BIM and Q80	BVL	9/15/09
A	Release	BVL	5/6/08
Rev	Description	Drft	Date

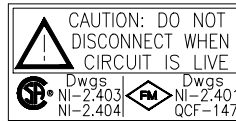
NON-HAZARDOUS LOCATION

HAZARDOUS (CLASSIFIED) LOCATION Class I, Division 2, Groups A,B,C,D



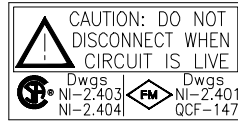
eurofast connector, installed as shown below, with lokfast guard LOCK-EURO-A (for RKA types) or LOCK-EURO-R (for RKR types) in place when circuit is live.

label detail



eurofast connector, installed as shown below, with lokfast guard LOCK-MINI in place when the circuit is live.

label detail



Sensor installed in an equipment enclosure that meets the requirements of ANSI/ISA S82.01 and S82.03.

Sensors with eurofast connectors (H1.41 part number code)

Sensors with minifast connectors (B..41 part number code)

Sensors with integral cable

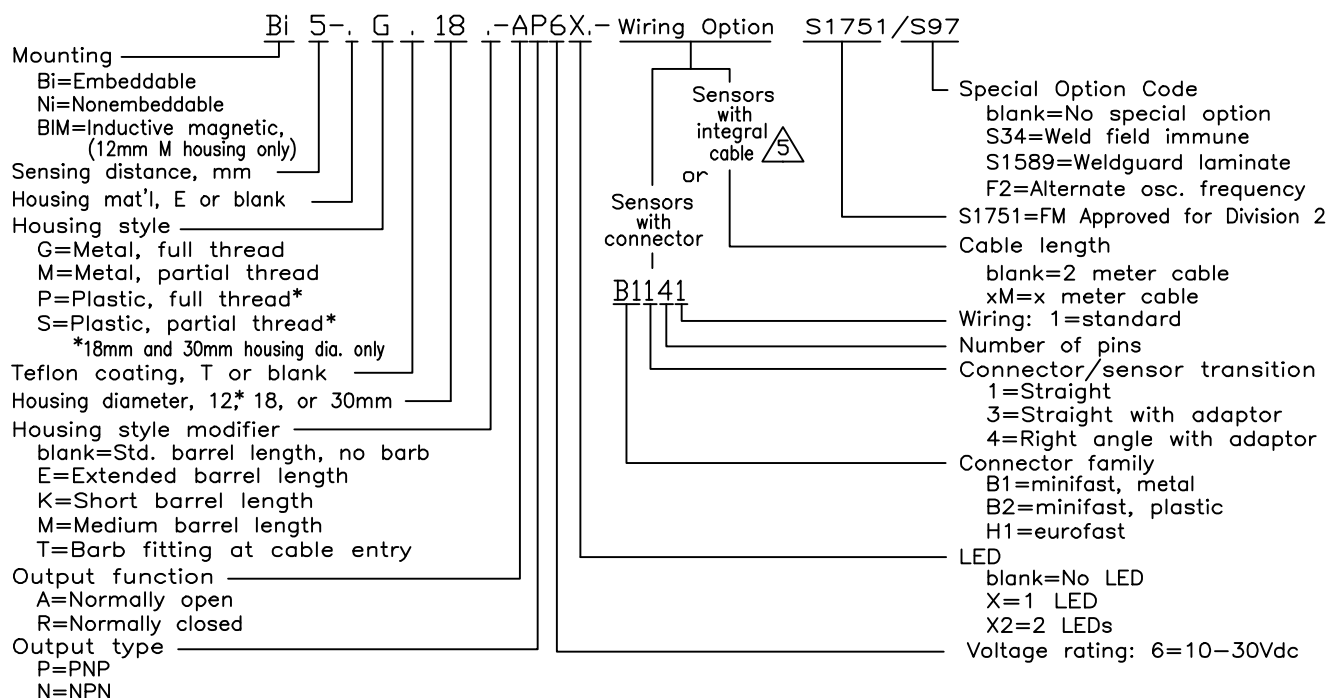
Sheet 2: Canadian Installations

B	Add BIM and Q80	BVL	9/15/09	Drawing No.:	NI-2.409
Rev	Description	Drft	Date	Scale:	NONE

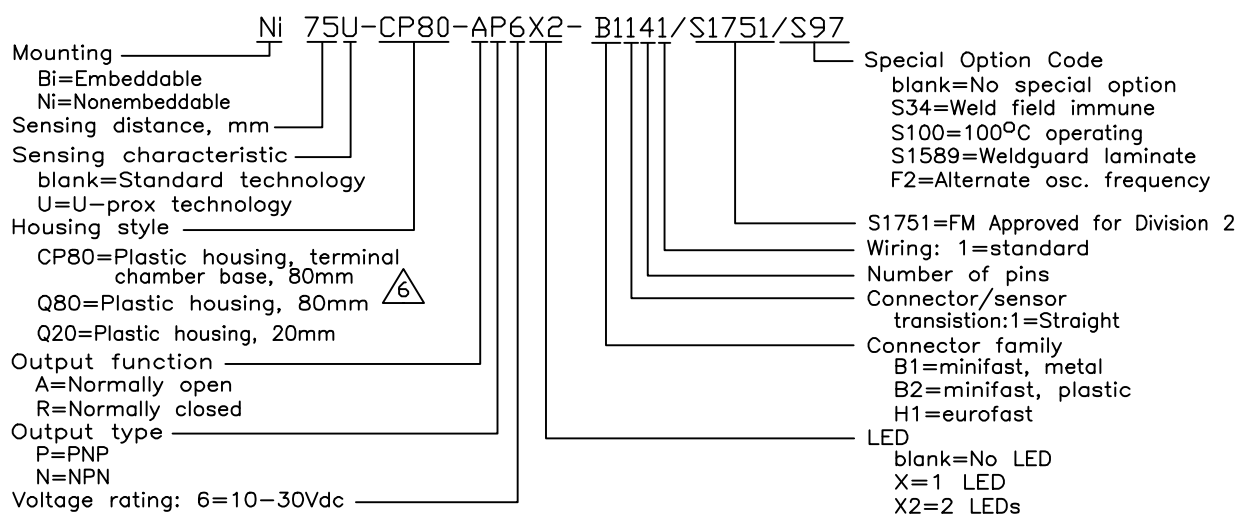
Notes:

1. Wiring methods in US installations must be in accordance with applicable Class I, Class II, or Class III, Division 2 wiring practices per the National Electrical Code (NEC), ANSI/NFPA 70, Article 501.10(B) and this control drawing.
Wiring methods in Canadian installations must be in accordance with the Canadian Electrical Code (CEC) and this control drawing.
2. The sensors must be supplied with 30Vdc or less.
3. For US installations, sensors with connectors must be connected using FM-approved cordsets and lokfast guards as shown. The cordsets are FM approved for installation in Class I, Division 2 when installed per Turck control drawing QCF-00147, available at www.turck.com/fmcd. The lokfast guards must be in place when the circuit is energized.
4. For Canadian installations, sensors with connectors must be connected using cordsets and lokfast guards approved to Canadian standards. The cordsets noted are approved to Canadian standards when installed per Turck control drawing NI-2.404. The lokfast guards must be in place when the circuit is energized.
5. For US installations, sensors with S1100 option may have connectors molded to the end of the integral ITC cable. The wiring option code for these sensors will be, for eurofast: -xM-RSG(V) 4T (x=cord length in meters)
for minifast: -xM-RS(M)(V) 40
6. Plastic 80mm rectangular housing sensors (Housing Style code CP80 or Q80) must be mounted on a surface such that the back of the sensor is protected from mechanical impacts.
7. Approved sensor part numbers are as indicated below.

Sensor Part Number Key: Cylindrical Sensors



Sensor Part Number Key: Rectangular Sensors



B	Add BIN and Q80	BVL	9/15/09	Drawing No.:	NI-2.409
Rev	Description	Drft	Date	Scale: NONE	Sheet 3 of 3