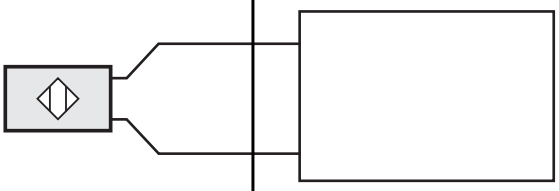
CSA / FM Installation Drawing 2131

CLASS I, DIV. 1, GROUPS A, B, C and D CLASS II, DIV. 1, GROUPS E, F and G CLASS III, DIV. 1	NON-HAZARDOUS AREA CSA APPROVED CARRIER / ASSOCIATED EQUIPMENT FOR CSA APPROVED SENSORS FM APPROVED CARRIER / ASSOCIATED EQUIPMENT FOR FM APPROVED SENSORS
INTRINSICALLY SAFE (Ex ia) Vmax = 15 V Imax = 50 mA Pi = 120 mW Li = Per Table Ci = Per Table T6 at 70°C	

MODEL#	Li (µH)	Ci (nF)
KI5030	1	375
KI5031	3	375.64
KI5032	5	376.28
KI5037	25	382.58
KX5001	1	375
KX5002	3	375.64
KX5004	10	377.88

MODEL#	Li (µH)	Ci (nF)
NE5001	70	80
NF5001	340	140
NF5002	340	140
NF5003	130	140
NF5004	130	140
NG5001	45	145
NG5002	45	145
NG5003	50	155
NG5004	50	155
NI5001	140	145
NI5002	140	145
NI5003	110	145
NI5004	110	145

MODEL#	Li (µH)	Ci (nF)
NN5001	135	110
NN5002	135	110
NN5008	130	140
NN5009	130	140
NN5010	135	140
NN5011	140	140
NT5001	70	80
NS5002	110	80
NS5003	110	80

NOTES:

1) The barrier / associated equipment must be CSA and / or FM approved and meet the following requirements:
   A) $V_{OC} \leq V_{MAX}$
   B) $I_{SC} \leq I_{MAX}$
   C) $P_O \leq P_i$
   D) $C_a \geq C_i$ + Cable
   E) $L_a \geq L_i$ + Cable
2) Install in accordance with the Canadian Electrical Code in Canada; National Electrical Code in U. S.
3) Maximum non hazardous area voltage must not exceed 250 V
4) For additional cable lengths use cable with the following parameters:
   A) KI and KX series, ≤ 0.5 µH/meter and ≤ 150 pF/meter
   B) For all other sensors, ≤ 0.9 µH/meter and ≤ 140 pF/meter
5) For Canadian purposes, this device is Ex ia (intrinsically safe)
6) Enclosure: IP67, NEMA 4
7) Surface temperatures:
   A) KI and KX series, -20 to +60°C (-4 to +140°F)
   B) For all other sensors, -20 to +70°C (-4 to +158°F)