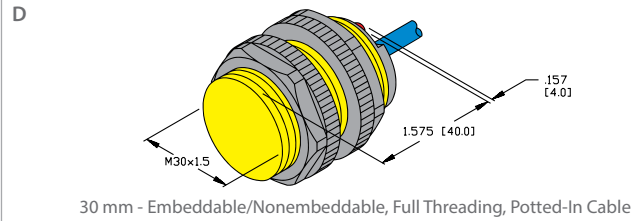
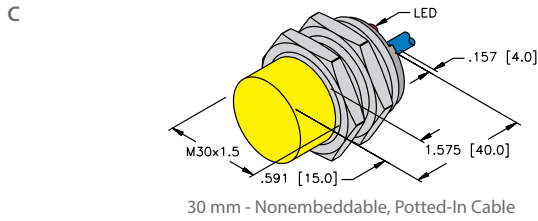
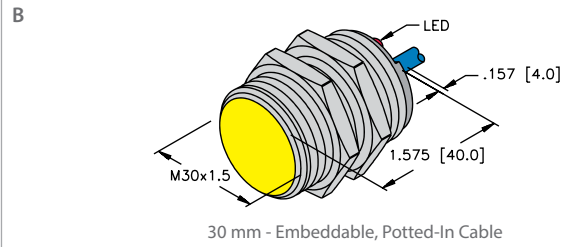
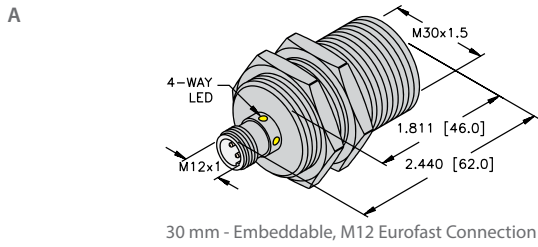


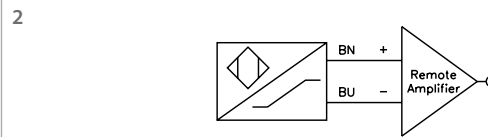
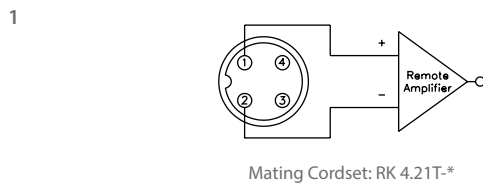
Inductive Barrel Sensors | 30 mm Namur



Dimension Drawings



Wiring Diagrams/Mating Cordsets



A1 2-wire DC NAMUR - (Y0 and Y1)

Differential Travel (Hysteresis):	1-10% (5% typical)
Nominal Voltage:	8.2 VDC (EN60947-5-6)
Load Resistance:	1000 Ω
Non-Activated Current Consumption:	≥2.1 mA
Activated Current Consumption:	≤1.2 mA
Recommended Switching Point for Remote Amplifier:	>1.2 to <2.1 mA, typ. 1.55 mA ON/1.75 mA OFF

Power-On Effect:	Realized in Amplifier
Reverse Polarity Protection:	Incorporated
Wire-Break Protection:	Realized in Amplifier
Transient Protection:	Realized in Amplifier
Shock:	30 g, 11 ms
Vibration:	55 Hz, 1 mm Amplitude in all 3 Planes
Repeatability:	≤2% of Rated Operating Distance

Amplifier Note:

Inductive sensors with Namur outputs are typically used in hazardous locations and the approval agencies require the use of an amplifier to regulate the signals in the hazardous area. Due to the wide variety of approvals, output options, and amplifier designs, it is not possible to incorporate all of the choices in this catalog. For the most up to date information, please either search for these products under our interface technology product category (www.turck.us) or contact us by phone.

We reserve the right to make technical alterations without prior notice.



Inductive Barrel Sensors | 30 mm Namur

Intrinsically Safe

Part Number/ ID Number	Features	Sensing Range (mm)	Output	Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Output LED	Cable Length/Jacket	Dimension Drawings	Wiring Diagrams	Spec List
Bi10-M30-Y1X-H1141 40202		10	2-wire DC NAMUR	5-30 VDC	2000	Remote	-25 to +70	IP67	CPB	PA 12	YE	-	A	1	A1
Bi10-G30-Y0 1005453	Short Barrel	10	2-wire DC NAMUR	5-30 VDC	200	Remote	-25 to +70	IP67	CPB	PA 12	N/A	2M/PVC	B	2	A1
Bi10-G30-Y0X 1005459	Short Barrel	10	2-wire DC NAMUR	5-30 VDC	200	Remote	-25 to +70	IP67	CPB	PA 12	YE	2M/PVC	B	2	A1
Ni15-G30-Y0 1005454		15	2-wire DC NAMUR	5-30 VDC	200	Remote	-25 to +70	IP67	CPB	PA 12	N/A	2M/PVC	C	2	A1
Ni15-G30-Y0X 4020100		15	2-wire DC NAMUR	5-30 VDC	200	Remote	-25 to +70	IP67	CPB	PA 12	YE	2M/PVC	C	2	A1
Bi10-P30-Y0X 404000		10	2-wire DC NAMUR	5-30 VDC	500	Remote	-25 to +70	IP67	PA 12	PA 12	YE	2M/PVC	D	2	A1
Bi10-P30-Y1 10097		10	2-wire DC NAMUR	5-30 VDC	500	Remote	-25 to +70	IP67	PA 12	PA 12	N/A	2M/PVC	D	2	A1
Ni15-P30-Y0X 1005465		15	2-wire DC NAMUR	5-30 VDC	200	Remote	-25 to +70	IP67	PA 12	PA 12	YE	2M/PVC	D	2	A1
Ni15-P30-Y1 10098		15	2-wire DC NAMUR	5-30 VDC	200	Remote	-25 to +70	IP67	PA 12	PA 12	N/A	2M/PVC	D	2	A1

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Inductive Barrel Sensors

