Rectangular Inductive Sensor Selection Guide

Rectangular Style Sensors Housing 4.7 mm 5.5 mm 6 mm 10 mm 8 mm Sensing Range 2 mm 2 - 3.5 mm 3 mm 5 - 8 mm 2 - 5 mm A11 A11 A11 A13 - 16 A17 Pages Features Uprox+ Uprox+

Housing	Variable, with pigtail	10 mm	12 mm	14 mm	20 mm			
Sensing Range	2 - 7 mm	2 - 4 mm	2 - 5 mm	10 - 20 mm	15 - 25 mm			
Pages	A19	A21	A23	A25	A27 - 30			
Features			Uprox+					

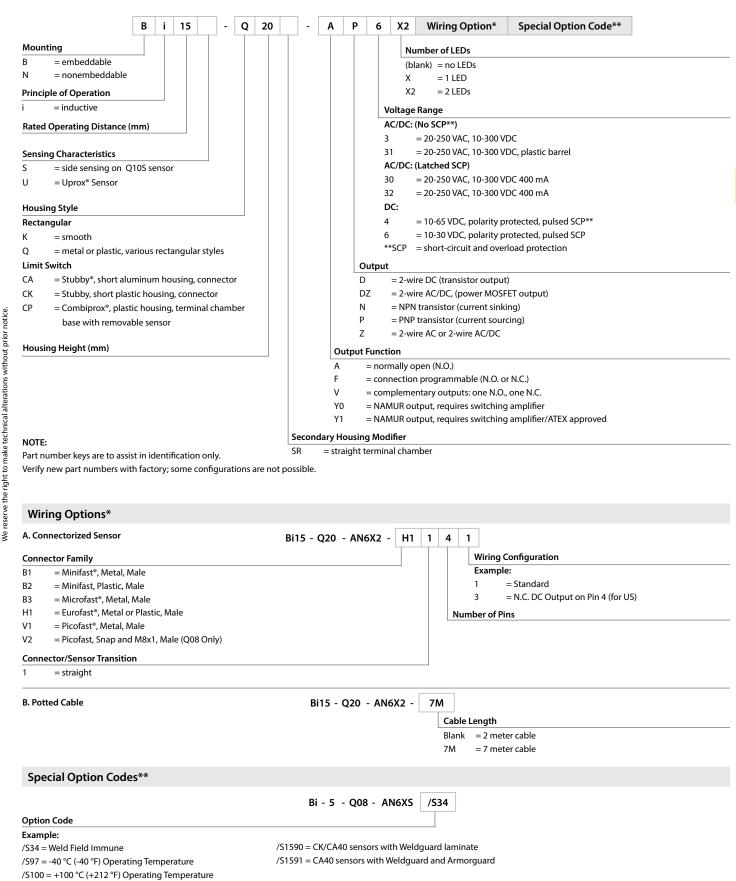
Rectangular Style Sensors

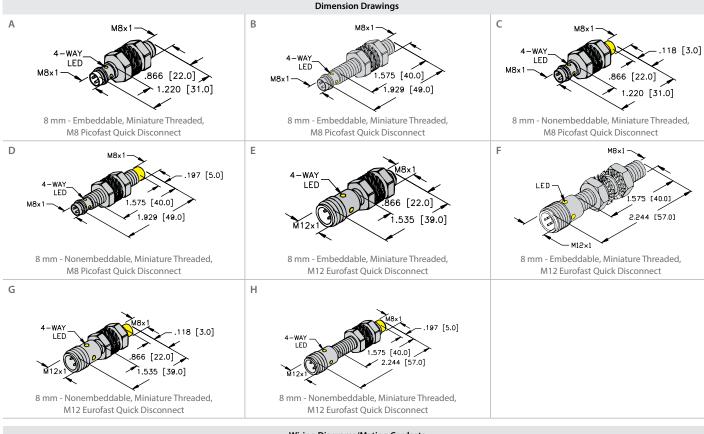
		Rectang	ular Style Sensors		
Housing	18 mm	25 mm	30 mm	40 mm	40 mm
Sensing Range	5 - 10 mm	10 mm	15 mm	20 mm	15 - 50 mm
Pages	A31	A31	A31	A33	A35 - 40
Features				Uprox+	Uprox+

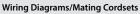
Rectangular Style Sensors										
			8		(IS)					
Housing	40 mm	80 mm	80 mm	90 mm	Variable					
Sensing Range	15 - 50 mm	40 - 75 mm	50 - 75 mm	60 - 100 mm	2 - 50 mm					
Pages	A41 - 46	A47 - 50	A51	A53	A55 - 58					
Features	Uprox+	Uprox+	Uprox+		Intrinsically Safe					



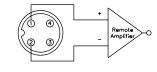
Rectangular Inductive Sensor Part Number Key







Mating Cordset: PKG 3M-*



Mating Cordset: RK 4.21T-*

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

>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 30 g, 11 ms

Shock:

Vibration: 55 Hz, 1 mm Amplitude in all 3 Planes

Repeatability: ≤2% of Rated Operating Distance We reserve the right to make technical alterations without prior notice

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.



Inductive Barrel Sensors | 8 mm Namur Intrinsically Safe (IS)

ntrinsically Safe	(IS
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Part Number/ ID Number	Features	Sensing Range (mm)	Output	Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Output LED	Dimension Drawings	Wiring Diagrams	Spec List
Bi1.5-EG08K-Y1-V1131 1003630	Short Barrel	1.5	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	N/A	Α	1	A1
Bi1.5-EG08-Y1-V1131 1003530		1.5	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	N/A	В	1	A1
Ni3-EG08K-Y1-V1130 1003721	Short Barrel	3	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	N/A	С	1	A1
Ni3-EG08-Y1-V1130 1003732		3	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	N/A	D	1	A1
Bi1.5-EG08K-Y1-H1341 1003620	Short Barrel	1.5	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	N/A	E	2	A1
Bi1.5-EG08K-Y1X-H1341 1003640	Short Barrel	1.5	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	YE	Е	2	A1
Bi1.5-EG08-Y1-H1341 1003502		1.5	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	N/A	F	2	A1
Ni3-EG08K-Y1-H1341 1003720	Short Barrel	3	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	N/A	G	2	A1
Ni3-EG08K-Y1X-H1341 1003704	Short Barrel	3	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	N/A	G	2	A1
Ni3-EG08-Y1-H1341 1003730		3	2-wire DC NAMUR	5-30 VDC	5000	Remote	-25 to +70	IP67	SS	PA 12	N/A	Н	2	A1