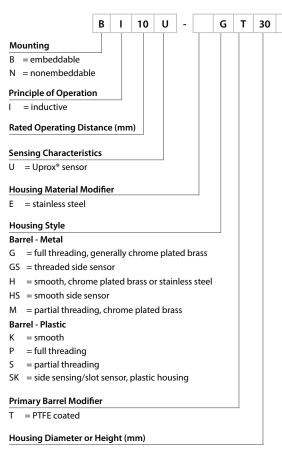


## Inductive Barrel Sensor Part Number Key



## **Secondary Barrel Modifier**

CA = conduit adaptor

reserve the right to make technical alterations without prior notice.

E = extended barrel length

EE = extra long barrel length

F = stainless steel face

FE = stainless steel face, extended barrel length

H = Stoneface®

K = short barrel length

Μ = medium barrel length

= side sensing

SE = extended length

 $\mathsf{SK} \ = \mathsf{right}\text{-}\mathsf{angle}\ \mathsf{terminal}\ \mathsf{chamber}$ 

SR = straight terminal chamber

= barb fitting at cable entry

TC = terminal chamber

WD = washdown IP68/IP69K

DZ	3	0 X	(2	Wiring Option*	Special Option Code**	
			Νι	ımber of LEDs		
		(blank) = no LEDs				
		X = 1 LED				
		X2 = 2 LEDs				
		Voltage Range				
		AC/DC: (No SCP**)				
		3				
		14	= 20-132 VAC, 10-140 VDC			
		31	:	= 20-250 VAC, 10-300 VE	DC, plastic barrel	
		33				
		AC/[	AC/DC: (Latched SCP)			
	30 = 2		:	= 20-250 VAC, 10-300 VE	OC .	
		32	:	= 20-250 VAC, 10-300 VE	OC .	
		40	40 = 20-140 VAC/DC, high off-state curre		off-state current	
		DC:	DC:			
		4 = 10-65 VDC, p		= 10-65 VDC, polarity pr	otected, pulsed SCP**	
		= 10-30  VDC,		= 10-30 VDC, polarity pr	otected, pulsed SCP	
		7 =		= 10-30 VDC, TTL compatible		
	8		:	= 20-30 VDC, polarity protected, pulsed SCP		
		41		= 10-55 VDC, polarity pr	otected, pulsed SCP	
		44	:	= 10-55 VDC		
		45		= 8.4-64 Volts		
		**SC	P :	= short-circuit and over	oad protection	
_						
_	Output Output					
D		= 2-wire DC (transistor output)			T ( ( )	
D		= 2-wire AC/DC, (power MOSFET output)				
G		= 2-wire DC, low voltage drop				
N P		= NPN transistor (current sinking)				
-		= PNP transistor (current sourcing)				
Z		= 2-wire AC or 2-wire AC/DC				
out Function						

= normally open (N.O.)

= dynamic output (ring sensor), normally open DA F

= connection programmable (N.O or N.C.)

R = normally closed (N.C.)

= complementary outputs: one N.O., one N.C.

Y0 = NAMUR output, requires switching amplifier

Υ1 = NAMUR output, requires switching amplifier, ATEX Approved

### NOTE:

Part number keys are to assist in identification only.

Verify new part numbers with factory; some configurations are not possible.

Turck Inc.

# Inductive Barrel Sensor Part Number Key

#### Wiring Options\* A. Connectorized Sensor Bi2-M12-AN6X - H1 1 4 1 **Connector Family Factory Code** B1 = Minifast®, 7/8"-16UN, metal, male Example: B2 = Minifast®, 7/8"-16UN, plastic, male 0 = non-standard wiring В3 = Microfast®, 1/2"-20UNF, metal, male 1 = standard wiring H1 = Eurofast®, M12x1, metal or plastic, male 3 = N.C. DC output on pin 4 V1 = Picofast®, snap and M8x1, metal, male (Q08 snap only) = N.O. 2-wire DC output on pin 4 4 V2 = Picofast®, snap and M8x1, male (Q08 only) **Number of Pins** Connector/Sensor Transition = straight 3 = straight with adapter 4 = right-angle with adapter **B. Potted Cable** Bi2-G12-AN6X 7M **Cable Length** (blank) = 2 meter cable 7M = 7 meter cable = custom cable lengths available \*M C. Potted Cable with Molded Connector Bi2-G12-Y0X -RS 4.21T 0.2M -**Standard Cordset Connector Cable Length AC:** RSM 30 = Minifast, 7/8"-16UN, metal, male, 3-conductor examples: 0.2M = 0.2 meters (minimum) SB 3T = Microfast, 1/2"-20UNF, metal, male, 30 conductor = 2 meter cable DC: RS 4T = Eurofast, M12x1, metal or plastic, male, 3-conductor = Eurofast, M12x1, metal or plastic, male, 2-conductor 7M = 7 meter cable RS 4.2T RS 4.21T = Eurofast, M12x1, metal or plastic, male, NAMUR, 2-conductor = Eurofast, M12x1, metal or plastic, male, 4-conductor RS 4.4T RSM 40 = Minifast, 7/8"-16UN, metal, male, 4-conductor PSG 3 = Picofast, snap, plastic, male, 3-conductor PSG 3M = Picofast, M8x1, male, 3-conductor Option Codes for Special or Custom-Built Sensors\*\* Bi10-M30-AN6X-H1141 2-S12-AN7X /S100 or /F2 examples: example: /S34 = weld field immune = alternate oscillator frequency /S90 = TPU cable = -40 °C (-40 °F) operating temperature /S100 = +100 °C (+212 °F) operating temperature /S1589 $\,=\,$ barrel sensors with Weldguard $^{\circ}$ laminate

/S1610  $\,=\,$  barrel sensors with tool steel sleeve and Weldguard $^{\circ}$  laminate