

Specialty Sensor Part Number Key

B	I	10	U	-	G	T	30	-	A	DZ	30	X2	Wiring Option*	Special Option Code**	
Mounting														Number of LEDs	
B = embeddable														(blank) = no LEDs	
BID = high pressure sensor														X = 1 LED	
N = nonembeddable														X2 = 2 LEDs	
S = slot														Voltage Range	
Principle of Operation														AC/DC: (No SCP**)	
I = inductive														3 = 20-250 VAC, 10-300 VDC	
IM = inductive magnet operated														AC/DC: (Latched SCP)	
Rated Operating Distance (mm)														30 = 20-250 VAC, 10-300 VDC 400 mA	
Sensing Characteristics														DC:	
FE = ferrous only														4 = 10-65 VDC, polarity protected, pulsed SCP**	
R = ring sensor														6 = 10-30 VDC, polarity protected, pulsed SCP	
U = Uprox® Sensor														44 = 10-55 VDC	
Housing Material Modifier														45 = 8.4-65 Volts	
E = stainless steel														Output	
Housing Style														D = 2-wire DC (transistor output)	
Barrel - Metal														DZ = 2-wire AC/DC, (power MOSFET output)	
G = full threading, generally chrome plated brass														N = NPN transistor (current sinking)	
H = smooth, chrome plated brass or stainless steel														P = PNP transistor (current sourcing)	
M = partial threading, chrome plated brass														Z = 2-wire AC or 2-wire AC/DC	
Barrel - Plastic														M = high current solid state relay	
K = smooth														Output Function	
P = full threading														A = normally open (N.O.)	
S = partial threading														DA = dynamic output (ring sensor), normally open	
Rectangular														R = normally closed (N.C.)	
Q = metal or plastic, various rectangular styles														U = jumper programmable (N.O. or N.C.)	
Limit Switch														V = complementary outputs: one N.O., one N.C.	
CA = stubby®, short aluminum housing, connector														Y0 = NAMUR output, requires switching amplifier	
CK = stubby®, short plastic housing, connector														Y1 = NAMUR output, requires switching amplifier, ATEX approved	
Slot														Secondary Barrel Modifier	
K = slot sensor, plastic housing														E = extended barrel length	
Ring														EE = extra long barrel length	
32SR = large plastic housing, static or dynamic output														FE = stainless steel face, extended barrel length	
Q = small rectangular plastic housing, static output														FM = stainless steel face, medium barrel length	
W = small plastic housing, dynamic output														M = medium barrel length	
Primary Barrel Modifier														TC = terminal chamber	
T = PTFE® coated														WD = washdown IP67/IP68/IP69K	
Housing Diameter or Height (mm)														F = stainless steel face, standard length	

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

NOTE:

Part number keys are to assist in identification only.
 Verify new part numbers with factory; some configurations are not possible.
 * See next page Wiring Options and Special Option Codes.



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Wiring Options*

A. Connectorized Sensor

Bi2 - M12 - AN6X2 - H1 1 4 1

Connector Family

- B1 = Minifast®, 7/8"-16UN, metal, male
- B2 = Minifast , 7/8"-16UN, plastic, male
- B3 = Microfast®, 1/2"-20UNF, metal, male
- H1 = Eurofast®, M12x1, metal or plastic, male
- V1 = Picofast®, snap and M8x1, metal, male (Q08 snap only)
- V2 = Picofast , snap and M8x1, male (Q08 only)

Connector/Sensor Transition

- 1 = straight
- 3 = straight with adapter
- 4 = right-angle with adapter

Wiring Configuration

Example:

- 0 = non-standard wiring
- 1 = standard wiring
- 3 = N.C. DC output on pin 4 (for US)
- 4 = N.O. 2-wire DC output on pin 4

Number of Pins

- 3 = 3
- 4 = 4
- 5 = 5

B. Potted Cable

Bi2 - G12 - AN6X 7M

Cable Length

- (blank) = 2 meter cable
- 7M = 7 meter cable
- *M = custom cable lengths available

Special Option Codes**

Bi 2-S12-AN7X /S100 or Bi10R-W30-DAN6X-H1141 /F2

Example:

- /S90 = TPU cable
- /S97 = -40 °C (-40 °F) operating temperature
- /S100 = +100 °C (+212 °F) operating temperature
- /S120 = +120 °C (+248 °F) operating temperature
- /S139 = submersible
- /S907 = +160 °C (+320 °F) operating temperature
- /S1009 = 250 ms internal off delay
- /S1102 = +250 °C (+482 °F) operating temperature
- /S1751 = approved for FM Class I, Div 2, groups A, B, C, and D

Example:

- /F2 = alternate oscillator frequency

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