

# **TURCK Sensors Part Number Key**

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	B	<b>i</b> :	10	U	-	G	Τ	3	0	  -	Α	DZ	Z 3	0	X	2	Wiring Option* Special Option Code*
Mounting																	Load Dump
B = embeddable BID 2 = high pressure sensor N = nonembeddable S = slot	-															N	LD = load dump Number of LEDs
W = position																X	blank) = no LED's K = 1 LED K2 = 2 LED's
Principle of Operation														Ι.	/ali		
<ul> <li>C = capacitive</li> <li>CC = ESD immune</li> <li>CF = capacitive (noise immune)</li> <li>i = inductive</li> <li>IM = inductive magnet operated</li> <li>R = reed</li> </ul>														<b>4</b> 3 1 3	<b>AC</b> / 3 = 14 = 31 =	/DC = 2 = 2	ge Range C: (No SCP**) 20-250 VAC, 10-300 VDC 20-132 VAC, 10-140 VDC 20-250 VAC, 10-300 VDC, plastic barrel 35-250 VAC, grounded metal barrel
Rated Operating Distance (mm)																	<b>C: (Latched SCP)</b> 20-250 VAC, 10-300 VDC
Sensing Characteristics														3	32 =	= 2	20-250 VAC, 10-300 VDC 20-250 VAC, 10-300 VDC 20-140 VAC/DC, high off-state current
F= front sensing on Q26 and Q34FE= ferrous onlyNF= nonferrous onlyR= ring sensorS= side sensing on Q26 sensorT= side sensing on Q34 sensorU= uprox® sensorHousing Material ModifierE= stainless steelHousing StyleBarrel - MetalG= full threading, generally chromGS= threaded side sensorH= smooth, chrome plated brassHS= smooth side sensorM= partial threading, chrome plateBarrel - PlasticKK= smoothP= full threadingPT= PVDF, full threading	ne p or s	lated	ess		əl								LF G LI(L	tpu = = -U)	<b>DC:</b> 4 = 5 7 = 7 3 = 14 44 = 14 45 = 16 61 = 16 61 = 16 7 14 = 16 14 = 16 16 = 16	wire wire wire vor vor vor vor vor vor vor vor	10-65 VDC, polarity protected, pulsed SCP** 10-30 VDC, polarity protected, pulsed SCP 10-30 VDC, TTL compatible 20-30 VDC, polarity protected, pulsed SCP 10-65 VDC, polarity protected, pulsed SCP 10-55 VDC 8.4-64 Volts 10-30 VDC, polarity protected, pulsed SCP P = short-circuit and overload protection re DC (transistor output) re AC/DC, (power MOSFET output) tency output te DC, low voltage drop par analog output current (LI, 15-30 VDC) oltage (LU, 18-30 VDC) r analog output (current and voltage, 15-30 VDC) transistor (current sinking) transistor (current sourcing) output
S = partial threading SK = side sensing / slot sensor, pla T = right angle TS = tube sensing	stic	hou	sing									Out		J = =	ana 2-v	alog	og output (non-linear) e AC or 2-wire AC/DC
<b>Rectangular</b> Q = metal or plastic, various rectan QV = plastic, variable position	ngul	lar st	tyles	6								4	= n = d	orm yna	nally	y o c o	open (N.O.) output (ring sensor), normally open n programmable (N.O. or N.C.)
Limit Switch CA = stubby <sup>®</sup> , short aluminum hou CK = stubby <sup>®</sup> , short plastic housing CP = combiprox <sup>®</sup> , plastic housing, base with removable sensor	g, co	onne	ctor	-								J V YO	= n = ju = c = N	orm Imp omj AM	nally per plei IUF	y cl prc me ? oı	closed (N.C.) ogrammable (N.O. or N.C.) entary outputs: one N.O., one N.C. butput, requires switching amplifier butput, requires switching amplifier
<b>Slot</b> K = slot sensor, plastic housing										Seco	nda	ry E	Barr	el I	Мо	difi	fier
<b>Ring</b> 32SR = large plastic housing, static $\Omega_{-} = $ small rectangular plastic hous										CA= E =	ex	tenc	bed	bar	rel	len	ngth

Q =small rectangular plastic housing, static of dynamic output

W = small plastic housing, dynamic output

### permaprox<sup>®</sup>

A23 = metal, clamp-on; active face centered AKT = plastic, clamp-on; active face centered IKE = metal, clamp- or strap-on; active face on end IKM = metal, clamp- or strap-on; active face on end IKT = metal, clamp- or strap-on; active face centered INT = plastic, groove mount or strap-on; active face on end INR = plastic, groove mount; active face on end KST = metal/plastic, strap-on; active face centered NST = plastic, clamp-on; active face centered PSM = metal/plastic, strap-on; active face on end PST = plastic, strap-on; active face on end

- QST= plastic, clamp-on; active face on end
- UNT = new version of INT, plastic, groove mount or strap-on; active face on end

## **Cylinder Rotatable**

CRS = cylinder rotatable sensor with probe, metal

## **Primary Barrel Modifier**

T = teflon<sup>®</sup> coated

- EE = extra long barrel length
- F = stainless steel face
- FE = stainless steel face, extended barrel length
- FM = stainless steel face, medium barrel length
- H = weldguard <sup>®</sup>/stoneface <sup>®</sup>
- K = short barrel length
- M = medium barrel length
- S = Side sensing
- SE = extended length (Q8SE only)
- SK = right-angle terminal chamber
- SR= straight terminal chamber
- T = barb fitting at cable entry
- TC = terminal chamber
- WD = washdown IP67/IP68/IP69K

WDTC = washdown IP67/IP68/IP69K and terminal chamber

Housing Diameter or Height (mm) or CRS Probe Length (mm = Number/10)

**NOTE:** Part Number Keys are to assist in IDENTIFICATION ONLY. Verify New Part Numbers with Factory; Some Configurations Are Not Possible. \* See reverse side for Wiring Options and Special Option Codes

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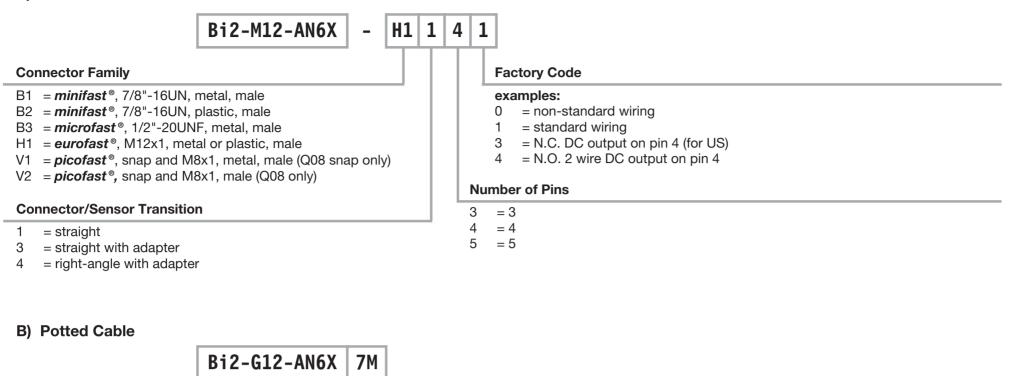
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# **Wiring Options**

### A) Connectorized Sensor



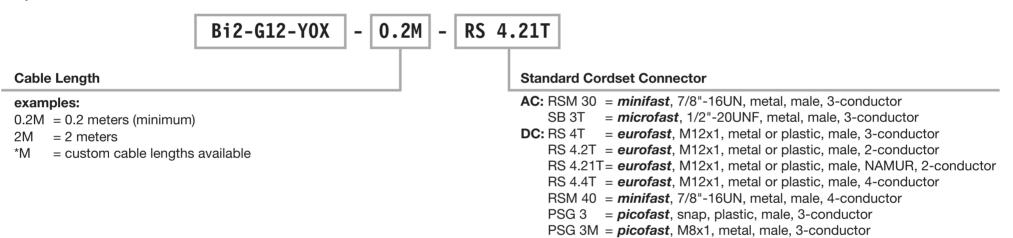
#### **Cable Length**

(blank) = 2 meter cable

7M = 7 meter cable

\*M = custom cable lengths available

### C) Potted Cable with Molded Connector



# **Special Option Codes**

**Option Codes for Special or Custom-Built Sensors** 



#### examples:

/S34 = weld field immune

/S90 = PUR cable

- $/S97 = -40^{\circ}C (-40^{\circ}F)$  operating temperature
- $/S100 = +100^{\circ}C (+212^{\circ}F)$  operating temperature
- /S120 = +120°C (+248°F) operating temperature
- /S139 = submersible
- /S250 = without potentiometer (capacitive only)
   /S907 = +160°C (+320°F) operating temperature
   /S1589 = barrel sensors with *weldguard*<sup>®</sup> laminate
   /S1590 = CA40 sensor with *weldguard*<sup>®</sup> laminate
   /S1610 = barrel sensors with *armorguard* sleeve and *weldguard*<sup>®</sup> laminate
- /S1751 = FM2 approved

#### example:

/F2 = alternate oscillator frequency

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