

Inductive Cylinder Position Sensors

B **IM** **-** **A23** **-** **A** **DZ** **30** **X2** **Wiring Options** **Special Option Codes**

Mounting

- B = Embeddable
- N = Nonembeddable

Principle of Operation

- IM = Inductive Magnet Operated
- R = Reed
- I = Inductive

Housing Material Modifier

- E = Stainless Steel (Barrel styles only)

Housing Style

Barrel - Metal

- G = Full Threading, Generally Chrome Plated Brass
- M = Partial Threading, Chrome Plated Brass

permaprox®

- 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 Mt. or Strap-On; Active Face on End
- INR = Plastic, Groove Mt. or Strap-On; 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

Cylinder Rotatable

- CRS = Cylinder Rotatable Sensor with Probe, Metal

Rectangular

- Q = Metal or Plastic, Various Rectangular Styles

Slot

- K = Slot Sensor, Plastic Housing

Special

- ISI = Special Sensors for Norgren Clamps

Number of LEDs

Examples:

- Blank = No LEDs
- X2 = 2 LEDs

Voltage Range

AC/DC: (No SCP**)

- 3 = 20-250 VAC, 10-300 VDC
- 71 = 3-140 VAC, 4-200 VDC (Relay Output)

AC/DC: (Latched SCP)

- 30 = 20-250 VAC, 10-300 VDC
- 32 = 20-250 VAC, 10-300 VDC

DC:

- 4 = 10-65 VDC, Polarity Protected, Pulsed SCP**
- 6 = 10-30 VDC, Polarity Protected, Pulsed SCP
- 7 = 10-30 VDC (Relay Output)
- 41 = 10-65 VDC, Polarity Protected, Pulsed SCP

**SCP = Short-Circuit and Overload Protection

Output

- D = 2-Wire DC (Transistor Output)
- DZ = 2-Wire AC/DC, (Power MOSFET Output)
- G = 2-Wire DC, Low Voltage Drop
- N = NPN Transistor (Current Sinking)
- P = PNP Transistor (Current Sourcing)
- R = Relay Output
- Z = 2-Wire AC or 2-Wire AC/DC

Output Function

- A = Normally Open (N.O.)
- R = Normally Closed (N.C.)
- Y1 = NAMUR Output, Requires Switching Amplifier

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

Or Secondary Barrel Modifier (E)

- E = Extended Barrel Length

Wiring Options

A) Connectorized Sensor

BIM-IKT-AP6X- **B3 1 3 1**

Connector Family

- B1 = *minifast*®, Metal, Male
- B3 = *microfast*®, Metal, Male
- H1 = *eurofast*®, Metal or Plastic, Male
- V1 = *picofast*®, Metal, Male

Connector / Sensor Transition

- 1 = Straight

Factory Code

- Example:
- 1 = Standard

Number of Pins

B) Potted Cable

BIM-IKT-AP6X- **7M**

Cable Length

- Blank = 2 Meter cable
- 7M = 7 Meter cable

Cylinder

Special Option Codes

BIM-A23-ADZ30X2-B1131 **/S34**

Option Code

- Example:
- /S34 = Weld Field Immune
- /S235 = Special Calibration