

# TURCK

## Inductive Sensors - Barrels

### G Barrel



### Barrel, Metal with Quick Disconnect Full Threading

2-Wire AC



20-250 VAC

Normally Open (AZ3X) or Normally Closed (RZ3X)



### Sensor Selection

Part Number	Embeddable	Rated Operating Distance (mm)	Barrel Diameter (mm)	Normally Open	Normally Closed	Drawing #	Wiring Diagram	# of LEDs	Weld Field Immune (534)	Switching Frequency (Hz)	ID Number	Connection
Bi 5-G18-AZ3X-B1431	•	5	18	•		1	A	1		20	T4372400	<b>minifast</b> <b>Mating Cordsets</b> RKM 30-2M (2 meter) For other styles see Section H or consult "Cordsets" catalog
Bi 10-G30-AZ3X-B1431	•	10	30	•		3	A	1		20	T4372600	
Ni 10-G18-AZ3X-B1431		10	18		•	2	A	1		20	T4372500	
Ni 15-G30-AZ3X-B1431		15	30		•	4	A	1		20	T4372700	
Bi 5-G18-RZ3X-B1431	•	5	18		•	1	B	1		20	T4373500	
Bi 10-G30-RZ3X-B1431	•	10	30		•	3	B	1		20	T4373400	
Ni 10-G18-RZ3X-B1431		10	18		•	2	B	1		20	T4330792	
Ni 15-G30-RZ3X-B1431		15	30		•	4	B	1		20	T4373700	

### Material

Connector: Chrome Plated Brass  
 Barrel: Chrome Plated Brass  
 Sensing Face: PA 12-GF30 Plastic

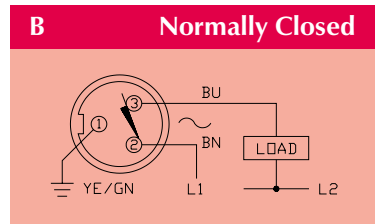
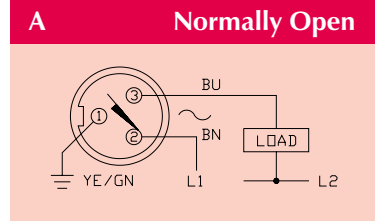
### Accessories

Accessories and mounting devices can be found in Section J.

## Specifications

Line Frequency . . . . .	40-60 Hz
Differential Travel (Hysteresis) . . . . .	3-15% (5% typical)
Voltage Drop Across Conducting Sensor . . . . .	≤7.0 V at 500 mA
Continuous Load Current . . . . .	≤500 mA
Off-State (Leakage) Current . . . . .	≤1.7 mA
Minimum Load Current . . . . .	≥5.0 mA
Inrush Current . . . . .	≤8.0 A (≤10 ms, 5% Duty Cycle)
Time Delay Before Availability . . . . .	≤25 ms
Power-On Effect . . . . .	Per IEC 947-5-2
Transient Protection . . . . .	Per EN 60947-5-2
Operating Temperature . . . . .	-25°C to +70°C (-13°F to +158°F)
Enclosure . . . . .	Meets NEMA 1,3,4,6,13 and IEC IP 67
Shock . . . . .	30 g, 11 ms
Vibration . . . . .	55 Hz, 1 mm Amplitude in all 3 Planes
Repeatability . . . . .	≤2% of Rated Operating Distance
LED On . . . . .	Output Energized

## Wiring Diagrams



Barrels

## Dimensions

