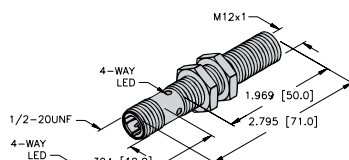
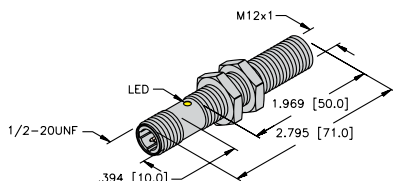
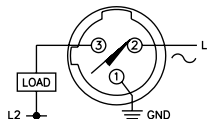


Inductive Barrel Sensors | 12 mm

Embeddable Threaded Metal Barrels with Connector and AC/DC Outputs

Housing Style		Dimension Drawings	
		A  12 mm - Embeddable, 1/2" Microfast Connection	
B  12 mm - Embeddable, 1/2" Microfast Connection, PTFE Coated			
Wiring Diagrams/Mating Cordsets			
1  Mating Cordset: KB 3T-*			
A5 2-wire AC/DC w/ Short-Circuit Protection - (ADZ, RDZ, FDZ, VDZ)			
Line Frequency: $\geq 50 \dots \leq 60$ Hz Differential Travel (Hysteresis): 3-15% (5% typical) Voltage Drop Across Conducting Sensor: ≤ 6.0 V Trigger Current for Short Circuit Protection: AC: ≥ 440 mA; DC: ≥ 330 mA Continuous Load Current: AC: ≤ 400 mA; DC: ≤ 300 mA Off-State (Leakage) Current: ≤ 1.7 mA (AC) ≤ 1.5 mA (DC)		Minimum Load Current: ≥ 3.0 mA Inrush Current: ≤ 3 A (≤ 20 ms, max 5 Hz) Power-On Effect: Per IEC 947-5-2 Transient Protection: Per EN 60947-5-2 Shock: 30 g, 11 ms Vibration: 55 Hz, 1 mm Amplitude, in all 3 Planes Repeatability: $\leq 2\%$ of Rated Operating Distance	
A6 2-wire AC/DC w/o Short-Circuit Protection - (AZ, RZ, FZ)			
Line Frequency: $\geq 50 \dots \leq 60$ Hz Differential Travel (Hysteresis): 3-15% (5% typical) Voltage Drop Across Conducting Sensor: ≤ 6.0 V Continuous Load Current: AC: ≤ 400 mA; DC: ≤ 300 mA Off-State (Leakage) Current: ≤ 1.7 mA Minimum Load Current: ≥ 3.0 mA		Inrush Current: ≤ 8 A (≤ 10ms max. 5 Hz) ≤ 1 A (≤ 10 ms max. 5 Hz) 12 mm ≤ 0.2 A (≤ 10 ms max. 0.2 Hz) 8 mm Power-On Effect: Per IEC 947-5-2 Transient Protection: Per EN 60947-5-2 Shock: 30 g, 11 ms Vibration: 55 Hz, 1 mm Amplitude, in all 3 Planes Repeatability: $\leq 2\%$ of Rated Operating Distance	

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



Inductive Barrel Sensors | 12 mm

Embeddable Threaded Metal Barrels with Connector and AC/DC Outputs

Part Number/ ID Number	Features	Sensing Range (mm)	Output	Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Dimension Drawings	Wiring Diagrams	Spec List
Bi4-G12-ADZ32X-B3131 4205031	Extended Range	4	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤100	-25 to +70	IP67	CPB	PA 12	N/A	YE	A	1	A5
Bi4-GT12H-ADZ32X-B3131 4205097	Stoneface	4	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤100	-25 to +70	IP67	TC	TC	N/A	YE	B	1	A5
Bi4-GT12-ADZ32X-B3131/S1589 4205087	PTFE, Weldguard	4	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤100	-25 to +70	IP67	TC	WG	N/A	YE	B	1	A5
Bi2U-G12-ADZ32X-B3131 4281005	Uprox	2	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	10	≤100	-30 to +85	IP67	CPB	PBT	N/A	YE	A	1	A5
Bi2U-GT12-ADZ32X-B3131 4281015	Uprox	2	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	10	≤100	-30 to +85	IP67	TC	TC	N/A	YE	B	1	A5
Bi2-G12-AZ33X-B3131 1304032		2	2-wire AC/DC	20-250 VAC/10-300 VDC	20	≤100	-25 to +70	IP67	CPB	PA 12	N/A	YE	A	1	A6
Bi2-G12-ADZ32X-B3131 4205001		2	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤100	-25 to +70	IP67	CPB	PA 12	N/A	YE	A	1	A5
Bi2-GT12H-ADZ32X-B3131/S34 4205093	PTFE, WFI, Stoneface	2	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤100	-25 to +70	IP67	TC	TC	N/A	YE	B	1	A5
Bi2-GT12-ADZ32X-B3131/S34 4205005	PTFE, WFI	2	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤100	-25 to +70	IP67	TC	TC	N/A	YE	B	1	A5
Bi2-GT12-AZ33X-B3131/S34 1304082	PTFE, WFI	2	2-wire AC/DC	20-250 VAC/10-300 VDC	20	≤100	-25 to +70	IP67	TC	TC	N/A	YE	B	1	A6

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

Inductive Barrel Sensors

