
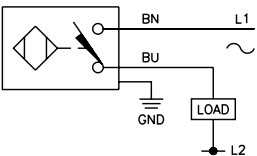


Inductive Barrel Sensors | 30 mm

Threaded Metal Barrels with Cable and AC/DC Outputs

Housing Style	Dimension Drawings
	<p>A</p> <p>30 mm - Embeddable, Potted-In Cable</p>
<p>B</p> <p>30 mm - Embeddable, Potted-In Cable, PTFE Coated</p>	<p>C</p> <p>30 mm - Embeddable, Potted-In Cable</p>
<p>D</p> <p>30 mm - Nonembeddable, Potted-In Cable</p>	<p>E</p> <p>30 mm - Nonembeddable, Potted-In Cable</p>

Wiring Diagrams/Mating Cordsets	
<p>1</p> 	

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

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



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Threaded Metal Barrels with Cable 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	Cable Length/Jacket	Dimension Drawings	Wiring Diagrams	Spec List
Bi10-EG30-ADZ30X2 4256095		10	2-wire AC/DC Short-circuit Protected	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	SS	PA 12	GN	RD	2M/PVC	A	1	A5
Bi10-G30-ADZ30X2 42070		10	2-wire AC/DC Short-circuit Protected	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	GN	RD	2M/PVC	A	1	A5
Bi15-G30-ADZ30X2 4207200		15	2-wire AC/DC Short-circuit Protected	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	GN	RD	2M/PVC	A	1	A5
Bi10-EG30-AZ3X 4345699		10	2-wire AC/DC	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	SS	PA 12	N/A	RD	2M/PVC	A	1	A6
Bi10-G30-AZ3X 4345400		10	2-wire AC/DC	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	N/A	RD	2M/PVC	A	1	A6
Bi10-GT30-ADZ30X2/S34 4256000	PTFE, WFI	10	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	TC	TC	GN	RD	2M/PVC	B	1	A5
Bi10-M30T-AZ3X 43170		10	2-wire AC/DC	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	N/A	RD	2M/PVC	C	1	A6
Ni20-G30-ADZ30X2 4205404		20	2-wire AC/DC Short-Circuit Protected	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	GN	RD	2M/PVC	D	1	A5
Ni15-M30T-AZ3X 43171		15	2-wire AC/DC	20-250 VAC/10-300 VDC	20	≤400/300	-25 to +70	IP67	CPB	PA 12	N/A	RD	2M/PVC	E	1	A6

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