

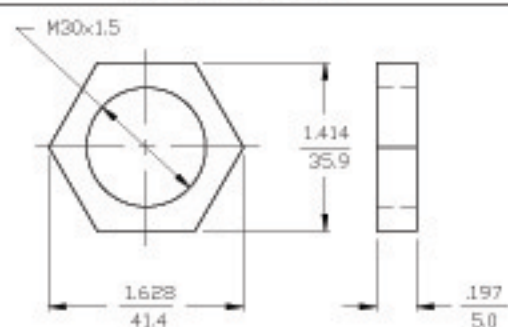
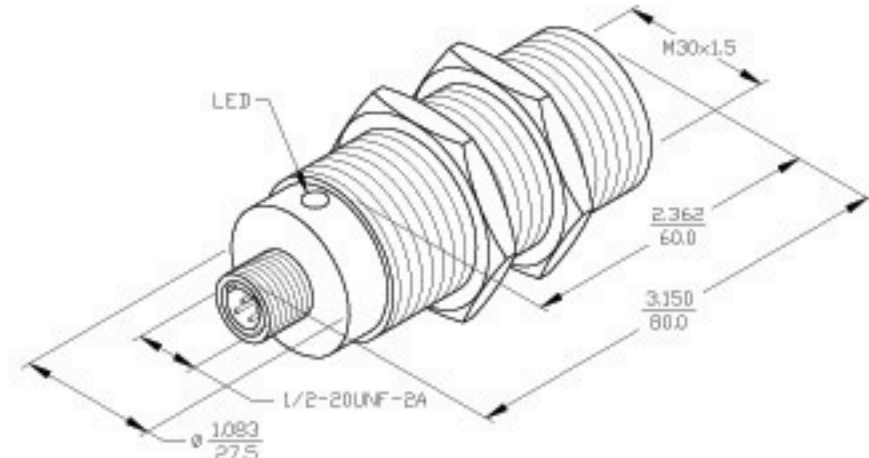
Inductive Sensors



Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
30 mm - Nonembeddable, eurofast® Connection, Extended Barrel Length 	Ni15-M30E-AD4X-H1141	T4417790		15	2-Wire DC
	Ni15-M30E-AP6X-H1141	T4617791		15	3-Wire DC PNP
	Ni15-M30E-VN4X-H1141	T1571590	Comp. Outputs	15	4-Wire DC NPN
	Ni15-M30E-VP4X-H1141	T1561790	Comp. Outputs	15	4-Wire DC PNP
30 mm - Embeddable, microfast® Connection 	Bi10-G30-ADZ30X2-B3131	T4207591		10	2-Wire AC/DC Short-Circuit Protected
	Bi10U-G30-ADZ30X2-B3131	M4281613	Uprox	10	
	Bi15-EG30H-ADZ30X2-B3131	T4207284	Stoneface	15	
	Bi15-G30-ADZ30X2-B3131	T4207201		15	
	Bi10-G30-AZ3X-B3131	T4372298		10	2-Wire AC/DC
30 mm - Embeddable, microfast Connection, Teflon Coated 	Bi10-GT30-ADZ30X2-B3131/S34	T4256203	WFI	10	2-Wire AC/DC Short-Circuit Protected
	Bi10-GT30H-ADZ30X2-B3131/S34	T4256094	Stoneface, WFI	10	
	Bi10-GT30H-ADZ30X2-B3131/S34/S1589	T4255281	weldguard®, WFI	10	
	Bi10U-GT30-ADZ30X2-B3131	M4281623	Uprox	10	
	Bi10-GT30H-ADZ30X2-B3131/S34/S1610	T4207287-1	armorguard	10	
30 mm - Nonembeddable, microfast Connection 	Ni15-G30-AZ3X-B3131	T1306090		15	2-Wire AC
	Ni20-G30-ADZ30X2-B3131	T4205406		20	2-Wire AC/DC Short-Circuit Protected
	Ni20U-G30-ADZ30X2-B3131	M4281813	Uprox	20	
30 mm - Nonembeddable, microfast Connection, Teflon Coated 	Ni20U-GT30-ADZ30X2-B3131	M4281823	Uprox	20	2-Wire AC/DC Short-Circuit Protected

Voltage	Switching Freq. (Hz)	Operating Current AC/DC	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
10-65 VDC	200	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4, 2T-*	1	Diagram 1
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4T-*	2	Diagram 1
10-65 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4, 4T-*	3	Diagram 2
10-65 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	YE	RK 4, 4T-*	4	Diagram 2
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	GN	RD	KB 3T-*	5	Diagram 3
	20	≤400/300	-30 to +85	IP 67	CPB	PA 12	GN	YE	KB 3T-*	5	
	20	≤400/300	-25 to +70	IP 67	SS	SF	GN	RD	KBE 3T-*/S600	5	
	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	GN	RD	KB 3T-*	5	
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	N/A	YE	KB 3T-*	5	Diagram 3
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	20	≤400/300	-25 to +70	IP 67	TC	SF	GN	RD	KBE 3T-*/S600	5	
	20	≤400/300	-25 to +70	IP 67	TC	WG	GN	RD	KBE 3T-*/S600	5	
	20	≤400/300	-30 to +85	IP 67	TC	TC	GN	YE	KB 3T-*	5	
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20-250 VAC 10-300 VDC	20	≤400/300	-30 to +85	IP 67	TC	TC	GN	YE	KB 3T-*	5	Diagram 5

* Length in meters.

WIRING DIAGRAM		LOCKNUT LN-M30		SPECIFICATIONS																																															
				<table><tr><td>OPERATING VOLTAGE</td><td>20-250 VAC</td></tr><tr><td>LINE FREQUENCY</td><td>40-60 Hz</td></tr><tr><td>HYSTERESIS (DIFFERENTIAL TRAVEL)</td><td>3-15% (5% TYPICAL)</td></tr><tr><td>VOLTAGE DROP ACROSS CONDUCTING SENSOR</td><td>≤7.0 V at 500 nA</td></tr><tr><td>OUTPUT FUNCTION -A2</td><td>NORMALLY OPEN 2-WIRE AC SELF-CONTAINED</td></tr><tr><td>SHORT-CIRCUIT PROTECTED</td><td>NO</td></tr><tr><td>CONTINUOUS LOAD CURRENT</td><td>≤500 nA</td></tr><tr><td>LEAKAGE (OFF-STATE) CURRENT</td><td>≤1.7 nA</td></tr><tr><td>MINIMUM LOAD CURRENT</td><td>≥5.0 nA</td></tr><tr><td>INRUSH CURRENT</td><td>≤8.0 A (≤10 ms/5 Hz)</td></tr><tr><td>TIME DELAY BEFORE AVAILABILITY</td><td>≤25 ms</td></tr><tr><td>POWER-ON EFFECT PROTECTION</td><td>INCORPORATED</td></tr><tr><td>PROTECTION AGAINST TRANSIENTS</td><td>5 kV, 10 ns, 10 kΩ</td></tr><tr><td>OPERATING TEMPERATURE</td><td>-25°C to +70°C (-13°F to +158°F)</td></tr><tr><td>ENCLOSURE</td><td>MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67</td></tr><tr><td>SHOCK</td><td>30 g, 11 ms</td></tr><tr><td>VIBRATION</td><td>55 Hz, 1 mm AMPLITUDE (ON ALL 3 PLANES)</td></tr><tr><td>LED FUNCTION</td><td>RED: OUTPUT ENERGIZED</td></tr><tr><td>SENSING RANGE</td><td>10 mm = .394" (NOMINAL)</td></tr><tr><td>SWITCHING FREQUENCY</td><td>20 Hz</td></tr><tr><td>REPEATABILITY</td><td>≤2% OF NOMINAL SENSING RANGE</td></tr><tr><td>SHIELDED</td><td>YES</td></tr><tr><td>MATING PLUGS/CABLES</td><td>3-PIN "MICROFAST" CONSTRUCTION</td></tr></table>		OPERATING VOLTAGE	20-250 VAC	LINE FREQUENCY	40-60 Hz	HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)	VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤7.0 V at 500 nA	OUTPUT FUNCTION -A2	NORMALLY OPEN 2-WIRE AC SELF-CONTAINED	SHORT-CIRCUIT PROTECTED	NO	CONTINUOUS LOAD CURRENT	≤500 nA	LEAKAGE (OFF-STATE) CURRENT	≤1.7 nA	MINIMUM LOAD CURRENT	≥5.0 nA	INRUSH CURRENT	≤8.0 A (≤10 ms/5 Hz)	TIME DELAY BEFORE AVAILABILITY	≤25 ms	POWER-ON EFFECT PROTECTION	INCORPORATED	PROTECTION AGAINST TRANSIENTS	5 kV, 10 ns, 10 kΩ	OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)	ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67	SHOCK	30 g, 11 ms	VIBRATION	55 Hz, 1 mm AMPLITUDE (ON ALL 3 PLANES)	LED FUNCTION	RED: OUTPUT ENERGIZED	SENSING RANGE	10 mm = .394" (NOMINAL)	SWITCHING FREQUENCY	20 Hz	REPEATABILITY	≤2% OF NOMINAL SENSING RANGE	SHIELDED	YES	MATING PLUGS/CABLES	3-PIN "MICROFAST" CONSTRUCTION
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A SEE REVISION DOCUMENT G30-B3		RJP	4/6/92																																																
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