

# Inductive Sensors



Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
<b>30 mm - Nonembeddable, Potted-In Cable</b> 	Ni15-G30K-AN6X	T4671700	Short Barrel	15	3-Wire DC NPN
	Ni15-G30K-AP6X	T4670700	Short Barrel	15	3-Wire DC PNP
	Ni15-G30-Y0	T1006300		15	2-Wire DC NAMUR
	Ni15-G30-Y0X	T4020100		15	
<b>30 mm - Nonembeddable, Potted-In Cable</b> 	Ni15-G30-AN6X	T4647700		15	3-Wire DC NPN
	Ni15-G30-AN7X	T1714900		15	
	Ni15-G30-AP6X	T4647600		15	3-Wire DC PNP
	Ni20-G30-ADZ30X2	T4205404		20	2-Wire AC/DC Short-Circuit Protected
	Ni15-G30-AZ3X	T1306000		15	2-Wire AC/DC

Voltage	Switching Freq. (Hz)	Operating Current AC/DC (mA)	Operating Temp. (°C)	Protection	Housing	Face	End Cap	Power LED	Output LED	Cable Length/ Cable Mat.	Wiring Diagram #	Wiring Diagrams
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	<b>Diagram 1</b> 
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	<b>Diagram 2</b> 
5-30 VDC	200	Remote	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	N/A	2M/PVC	3	<b>Diagram 3</b> 
	200	Remote	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	<b>Diagram 4</b> 
	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	
10-30 VDC	500	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	<b>Diagram 3</b> 
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	EPTR	GN	RD	2M/PVC	4	<b>Diagram 4</b> 
20-250 VAC 10-300 VDC	20	≤400/300	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	RD	2M/PVC	4	<b>Diagram 4</b> 

WIRING DIAGRAMS		LOCKNUT LN-M30		SPECIFICATIONS																																																									
				<table><tr><td>RATED OPERATING DISTANCE</td><td>20mm = .787"</td></tr><tr><td>MOUNTING MODE</td><td>NON-FLUSH</td></tr><tr><td>MIN. REPEAT ACCURACY</td><td>≤ 2%</td></tr><tr><td>TEMPERATURE DRIFT</td><td>≤ ±10% ≤ ±15%, ≤ -25°C v ≥ +70°C</td></tr><tr><td>HYSTERESIS</td><td>3-15%</td></tr><tr><td>OPERATING TEMPERATURE</td><td>-25°C to +70°C (-13°F to +158°F)</td></tr><tr><td>RATED OPERATIONAL VOLTAGE</td><td>20-250 VAC/10-300 VDC</td></tr><tr><td>RATED OPERATIONAL CURRENT (AC/DC)</td><td>≤ 400 mA/≤ 300 mA</td></tr><tr><td>MAINS FREQUENCY</td><td>50-60 Hz</td></tr><tr><td>RESIDUAL CURRENT</td><td>≤ 1.7 mA</td></tr><tr><td>RATED INSULATION VOLTAGE</td><td>≤ 1.5 kV</td></tr><tr><td>SURGE CURRENT</td><td>≤ 3.0 A (≤ 20 ms MAX. 5 Hz)</td></tr><tr><td>SHORT-CIRCUIT PROTECTION</td><td>YES</td></tr><tr><td>MAX. VOLTAGE DROP</td><td>≤ 6.0 V</td></tr><tr><td>WIRE BREAKAGE PROTECTION</td><td>INCORPORATED</td></tr><tr><td>REVERSE POLARITY PROTECTION</td><td>INCORPORATED</td></tr><tr><td>OUTPUT FUNCTION</td><td>2-WIRE, NORMALLY OPEN, AC/DC</td></tr><tr><td>SMALLEST OPERATING CURRENT</td><td>≥ 3.0 mA</td></tr><tr><td>MAX. SWITCHING FREQUENCY</td><td>≤ 0.02 kHz</td></tr><tr><td>HOUSING MATERIAL</td><td>METAL, BRASS/CHROME-PLATED</td></tr><tr><td>ACTIVE FACE MATERIAL</td><td>PLASTIC, PBT</td></tr><tr><td>END CAP MATERIAL</td><td>PLASTIC, EPTR</td></tr><tr><td>CABLE</td><td>ø5.2, LiYY, PVC</td></tr><tr><td>VIBRATION RESISTANCE</td><td>55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)</td></tr><tr><td>SHOCK RESISTANCE</td><td>30 g, 11 ms</td></tr><tr><td>DEGREE OF PROTECTION</td><td>IP67</td></tr><tr><td>SWITCHING STATUS INDICATION</td><td>LED, YELLOW</td></tr><tr><td>OPERATING VOLTAGE INDICATION</td><td>LED, GREEN</td></tr></table>		RATED OPERATING DISTANCE	20mm = .787"	MOUNTING MODE	NON-FLUSH	MIN. REPEAT ACCURACY	≤ 2%	TEMPERATURE DRIFT	≤ ±10% ≤ ±15%, ≤ -25°C v ≥ +70°C	HYSTERESIS	3-15%	OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)	RATED OPERATIONAL VOLTAGE	20-250 VAC/10-300 VDC	RATED OPERATIONAL CURRENT (AC/DC)	≤ 400 mA/≤ 300 mA	MAINS FREQUENCY	50-60 Hz	RESIDUAL CURRENT	≤ 1.7 mA	RATED INSULATION VOLTAGE	≤ 1.5 kV	SURGE CURRENT	≤ 3.0 A (≤ 20 ms MAX. 5 Hz)	SHORT-CIRCUIT PROTECTION	YES	MAX. VOLTAGE DROP	≤ 6.0 V	WIRE BREAKAGE PROTECTION	INCORPORATED	REVERSE POLARITY PROTECTION	INCORPORATED	OUTPUT FUNCTION	2-WIRE, NORMALLY OPEN, AC/DC	SMALLEST OPERATING CURRENT	≥ 3.0 mA	MAX. SWITCHING FREQUENCY	≤ 0.02 kHz	HOUSING MATERIAL	METAL, BRASS/CHROME-PLATED	ACTIVE FACE MATERIAL	PLASTIC, PBT	END CAP MATERIAL	PLASTIC, EPTR	CABLE	ø5.2, LiYY, PVC	VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)	SHOCK RESISTANCE	30 g, 11 ms	DEGREE OF PROTECTION	IP67	SWITCHING STATUS INDICATION	LED, YELLOW	OPERATING VOLTAGE INDICATION	LED, GREEN
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