

WIRING DIAGRAMS			LOCKNUT LN-SS18			SPECIFICATIONS																																																																																
<p>OUTPUT: AP6X</p>						<table border="1"> <tr><td>OPERATING VOLTAGE</td><td colspan="2">10-30 VDC</td></tr> <tr><td>RIPPLE</td><td colspan="2">≤10%</td></tr> <tr><td>HYSTERESIS (DIFFERENTIAL TRAVEL)</td><td colspan="2">3-15% (5% TYPICAL)</td></tr> <tr><td>VOLTAGE DROP ACROSS CONDUCTING SENSOR</td><td colspan="2">≤1.8 V at 200 mA</td></tr> <tr><td>OUTPUT FUNCTION</td><td colspan="2">NORMALLY OPEN 3-WIRE DC SELF-CONTAINED</td></tr> <tr><td>TTL COMPATIBLE</td><td colspan="2">NO</td></tr> <tr><td>SHORT-CIRCUIT PROTECTED</td><td colspan="2">YES</td></tr> <tr><td>TRIGGER CURRENT FOR OVERLOAD PROTECTION</td><td colspan="2">≥220 mA</td></tr> <tr><td>CONTINUOUS LOAD CURRENT</td><td colspan="2">≤200 mA</td></tr> <tr><td>LEAKAGE (OFF-STATE) CURRENT</td><td colspan="2"><10 μA</td></tr> <tr><td>NO-LOAD CURRENT</td><td colspan="2">5.5-9.5 mA</td></tr> <tr><td>TIME DELAY BEFORE AVAILABILITY</td><td colspan="2">≤8 ms</td></tr> <tr><td>POWER-ON EFFECT PROTECTION</td><td colspan="2">INCORPORATED</td></tr> <tr><td>POLARITY INVERSION PROTECTION</td><td colspan="2">INCORPORATED</td></tr> <tr><td>WIRE BREAK PROTECTION</td><td colspan="2">INCORPORATED</td></tr> <tr><td>PROTECTION AGAINST TRANSIENTS</td><td colspan="2">2 kV, 1 ms, 1 kΩ</td></tr> <tr><td>OPERATING TEMPERATURE</td><td colspan="2">-25°C to +70°C (-13°F to +158°F)</td></tr> <tr><td>ENCLOSURE</td><td colspan="2">MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67</td></tr> <tr><td>SHOCK</td><td colspan="2">30 g, 11 ms</td></tr> <tr><td>VIBRATION</td><td colspan="2">55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)</td></tr> <tr><td>LED FUNCTION</td><td colspan="2">RED: OUTPUT ENERGIZED</td></tr> <tr><td>SENSING RANGE</td><td colspan="2">5 mm = .197" (NOMINAL)</td></tr> <tr><td>SWITCHING FREQUENCY</td><td colspan="2">1000 Hz</td></tr> <tr><td>REPEATABILITY</td><td colspan="2">≤2% of NOMINAL SENSING RANGE</td></tr> <tr><td>SHIELDED</td><td colspan="2">YES</td></tr> <tr><td>MATING PLUGS/CABLES</td><td colspan="2">4-PIN "EUROFAST" CONSTRUCTION</td></tr> </table>			OPERATING VOLTAGE	10-30 VDC		RIPPLE	≤10%		HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)		VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V at 200 mA		OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED		TTL COMPATIBLE	NO		SHORT-CIRCUIT PROTECTED	YES		TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥220 mA		CONTINUOUS LOAD CURRENT	≤200 mA		LEAKAGE (OFF-STATE) CURRENT	<10 μA		NO-LOAD CURRENT	5.5-9.5 mA		TIME DELAY BEFORE AVAILABILITY	≤8 ms		POWER-ON EFFECT PROTECTION	INCORPORATED		POLARITY INVERSION PROTECTION	INCORPORATED		WIRE BREAK PROTECTION	INCORPORATED		PROTECTION AGAINST TRANSIENTS	2 kV, 1 ms, 1 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 (IN ALL 3 PLANES)		LED FUNCTION	RED: OUTPUT ENERGIZED		SENSING RANGE	5 mm = .197" (NOMINAL)		SWITCHING FREQUENCY	1000 Hz		REPEATABILITY	≤2% of NOMINAL SENSING RANGE		SHIELDED	YES		MATING PLUGS/CABLES	4-PIN "EUROFAST" CONSTRUCTION	
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