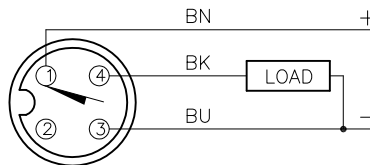
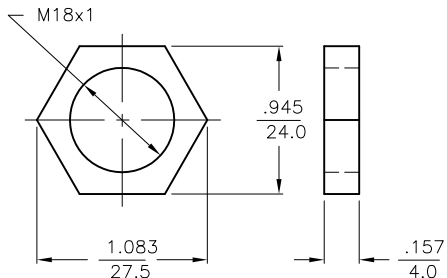
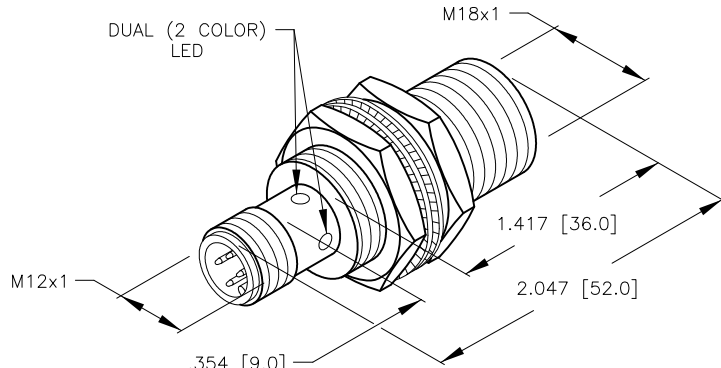


WIRING DIAGRAMS				LOCKNUT LN-M18				SPECIFICATIONS																																																																																																							
 <p>OUTPUT: AP6X2</p>								<table><tr><td>OPERATING VOLTAGE</td><td colspan="3">10-30 VDC</td></tr><tr><td>RIPPLE</td><td colspan="3">≤10%</td></tr><tr><td>DIFFERENTIAL TRAVEL (HYSTERESIS)</td><td colspan="3">3-15% (5% TYPICAL)</td></tr><tr><td>VOLTAGE DROP ACROSS CONDUCTING SENSOR</td><td colspan="3">≤1.8 V at 200 mA</td></tr><tr><td>OUTPUT FUNCTION</td><td colspan="3">NORMALLY OPEN 3-WIRE DC SELF-CONTAINED</td></tr><tr><td>TTL COMPATIBLE</td><td colspan="3">NO</td></tr><tr><td>SHORT-CIRCUIT PROTECTED</td><td colspan="3">YES</td></tr><tr><td>TRIGGER CURRENT FOR OVERLOAD PROTECTION</td><td colspan="3">≥220 mA</td></tr><tr><td>CONTINUOUS LOAD CURRENT</td><td colspan="3">≤200 mA</td></tr><tr><td>OFF-STATE (LEAKAGE) CURRENT</td><td colspan="3">&lt;10µ A</td></tr><tr><td>NO-LOAD CURRENT</td><td colspan="3">≤15 mA</td></tr><tr><td>TIME DELAY BEFORE AVAILABILITY</td><td colspan="3">≤8 ms</td></tr><tr><td>POWER-ON EFFECT PROTECTION</td><td colspan="3">INCORPORATED</td></tr><tr><td>REVERSE POLARITY PROTECTION</td><td colspan="3">INCORPORATED</td></tr><tr><td>WIRE-BREAK PROTECTION</td><td colspan="3">INCORPORATED</td></tr><tr><td>PROTECTION AGAINST TRANSIENTS</td><td colspan="3">EN 60947-5-2</td></tr><tr><td>OPERATING TEMPERATURE</td><td colspan="3">-25°C to +70°C (-13°F to +158°F) -30°C to +85°C (-22°F to +185°F) W/15% TEMP. DRIFT</td></tr><tr><td>ENCLOSURE</td><td colspan="3">MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67</td></tr><tr><td>SHOCK</td><td colspan="3">30 g, 11 ms</td></tr><tr><td>VIBRATION</td><td colspan="3">55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)</td></tr><tr><td>LED FUNCTION</td><td colspan="3">GREEN =POWER ON GREEN (FLASH) = SHORT CIRCUIT YELLOW = OUTPUT ENERGIZED</td></tr><tr><td>RATED OPERATING DISTANCE(Sn)</td><td colspan="3">5 mm = .197" (NOMINAL)</td></tr><tr><td>SWITCHING FREQUENCY</td><td colspan="3">2500 Hz</td></tr><tr><td>REPEATABILITY</td><td colspan="3">≤2% of RATED OPERATING DISTANCE</td></tr><tr><td>EMBEDDABLE (SHIELDED)</td><td colspan="3">YES</td></tr></table>				OPERATING VOLTAGE	10-30 VDC			RIPPLE	≤10%			DIFFERENTIAL TRAVEL (HYSTERESIS)	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			OFF-STATE (LEAKAGE) CURRENT	<10µ A			NO-LOAD CURRENT	≤15 mA			TIME DELAY BEFORE AVAILABILITY	≤8 ms			POWER-ON EFFECT PROTECTION	INCORPORATED			REVERSE POLARITY PROTECTION	INCORPORATED			WIRE-BREAK PROTECTION	INCORPORATED			PROTECTION AGAINST TRANSIENTS	EN 60947-5-2			OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F) -30°C to +85°C (-22°F to +185°F) W/15% TEMP. DRIFT			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	GREEN =POWER ON GREEN (FLASH) = SHORT CIRCUIT YELLOW = OUTPUT ENERGIZED			RATED OPERATING DISTANCE(Sn)	5 mm = .197" (NOMINAL)			SWITCHING FREQUENCY	2500 Hz			REPEATABILITY	≤2% of RATED OPERATING DISTANCE			EMBEDDABLE (SHIELDED)	YES		
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