

WIRING DIAGRAM				LOCKNUT LN-M12				SPECIFICATIONS																																																					
<p>BN</p> <p>N.O. BK</p> <p>LOAD</p> <p>BU</p> <p>N.C. WH</p> <p>LOAD</p> <p>+</p> <p>-</p>				<p>M12x1</p> <p>.669 [17.0]</p> <p>.768 [19.5]</p> <p>.157 [4.0]</p>				<table><tr><td>RATED OPERATING DISTANCE</td><td>4 mm [.158]</td></tr><tr><td>MOUNTING MODE</td><td>FLUSH</td></tr><tr><td>TEMPERATURE DRIFT</td><td>≤±10%</td></tr><tr><td>HYSTERESIS (SWITCHING DISTANCE)</td><td>3–15%</td></tr><tr><td>MIN. REPEAT ACCURACY</td><td>≤2%</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>10–30 VDC</td></tr><tr><td>MAX. RIPPLE</td><td>≤10%</td></tr><tr><td>RATED OPERATIONAL CURRENT</td><td>≤200 mA</td></tr><tr><td>NO-LOAD CURRENT</td><td>≤15 mA</td></tr><tr><td>MAX. OFF-STATE CURRENT</td><td>≤0.1 mA</td></tr><tr><td>RATED INSULATION VOLTAGE</td><td>≤0.5 kV</td></tr><tr><td>SHORT-CIRCUIT PROTECTED</td><td>YES</td></tr><tr><td>MAX. VOLTAGE DROP</td><td>≤1.8 V</td></tr><tr><td>WIRE-BREAK PROTECTION</td><td>INCORPORATED</td></tr><tr><td>REVERSE POLARITY PROTECTION</td><td>INCORPORATED</td></tr><tr><td>OUTPUT FUNCTION</td><td>4-WIRE, COMPLIMENTARY, NPN</td></tr><tr><td>MAX. SWITCHING FREQUENCY</td><td>≤2 kHz</td></tr><tr><td>HOUSING MATERIAL</td><td>BRASS, CHROME PLATED</td></tr><tr><td>ACTIVE FACE</td><td>PLASTIC, PA12-GF30</td></tr><tr><td>CONNECTOR</td><td>M12x1 EUROFAST</td></tr><tr><td>VIBRATION RESISTANCE</td><td>55 Hz (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>IP 67</td></tr><tr><td>SWITCHING STATUS INDICATION</td><td>LED, YELLOW</td></tr></table>				RATED OPERATING DISTANCE	4 mm [.158]	MOUNTING MODE	FLUSH	TEMPERATURE DRIFT	≤±10%	HYSTERESIS (SWITCHING DISTANCE)	3–15%	MIN. REPEAT ACCURACY	≤2%	OPERATING TEMPERATURE	–25°C to +70°C (–13°F to +158°F)	RATED OPERATIONAL VOLTAGE	10–30 VDC	MAX. RIPPLE	≤10%	RATED OPERATIONAL CURRENT	≤200 mA	NO-LOAD CURRENT	≤15 mA	MAX. OFF-STATE CURRENT	≤0.1 mA	RATED INSULATION VOLTAGE	≤0.5 kV	SHORT-CIRCUIT PROTECTED	YES	MAX. VOLTAGE DROP	≤1.8 V	WIRE-BREAK PROTECTION	INCORPORATED	REVERSE POLARITY PROTECTION	INCORPORATED	OUTPUT FUNCTION	4-WIRE, COMPLIMENTARY, NPN	MAX. SWITCHING FREQUENCY	≤2 kHz	HOUSING MATERIAL	BRASS, CHROME PLATED	ACTIVE FACE	PLASTIC, PA12-GF30	CONNECTOR	M12x1 EUROFAST	VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)	SHOCK RESISTANCE	30 g, 11 ms	DEGREE OF PROTECTION	IP 67	SWITCHING STATUS INDICATION	LED, YELLOW
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OUTPUT: VN6X				<p>LEDs</p> <p>M12x1</p> <p>.354 [9.0]</p> <p>.157 [4.0]</p> <p>.768 [19.5]</p> <p>2.047 [52.0]</p>																																																									