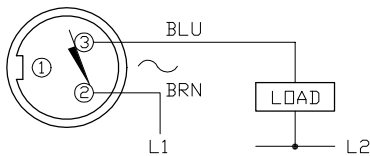
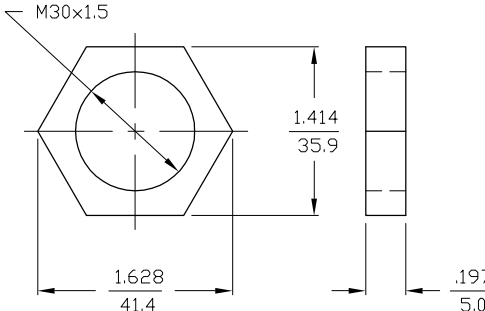
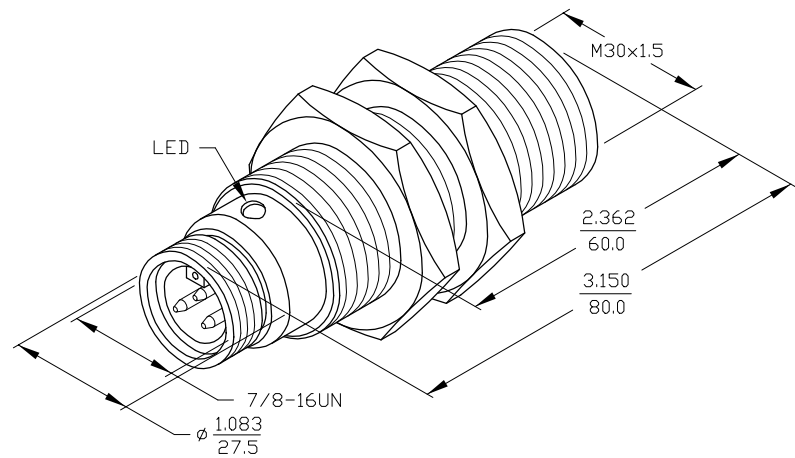
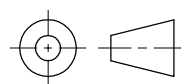
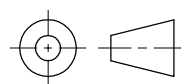
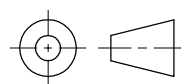


WIRING DIAGRAMS		LOCKNUT LN-P30		SPECIFICATIONS																																																																			
 OUTPUT: RZ3X WARNING: NO SHORT-CIRCUIT PROTECTION ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.				<table><tr><td>OPERATING VOLTAGE</td><td>20-250 V AC</td></tr><tr><td>LINE FREQUENCY</td><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 mA</td></tr><tr><td>OUTPUT FUNCTION -RZ</td><td>NORMALLY CLOSED 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 mA</td></tr><tr><td>RESIDUAL CURRENT (LEAKAGE)</td><td>≤1.7 mA</td></tr><tr><td>MINIMUM LOAD CURRENT</td><td>≥5.0 mA</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 ms, 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 (IN ALL 3 PLANES)</td></tr><tr><td>LED FUNCTION</td><td>RED: OUTPUT ENERGIZED</td></tr><tr><td>SENSING RANGE</td><td>15 mm = .591" (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>NO</td></tr><tr><td>MATING PLUGS/CABLES</td><td>3-PIN "MINI" CONSTRUCTION</td></tr></table>				OPERATING VOLTAGE	20-250 V AC	LINE FREQUENCY	40-60 Hz	HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)	VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤7.0 V at 500 mA	OUTPUT FUNCTION -RZ	NORMALLY CLOSED 2-WIRE AC SELF-CONTAINED	SHORT-CIRCUIT PROTECTED	NO	CONTINUOUS LOAD CURRENT	≤500 mA	RESIDUAL CURRENT (LEAKAGE)	≤1.7 mA	MINIMUM LOAD CURRENT	≥5.0 mA	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 ms, 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 (IN ALL 3 PLANES)	LED FUNCTION	RED: OUTPUT ENERGIZED	SENSING RANGE	15 mm = .591" (NOMINAL)	SWITCHING FREQUENCY	20 Hz	REPEATABILITY	≤2% of NOMINAL SENSING RANGE	SHIELDED	NO	MATING PLUGS/CABLES	3-PIN "MINI" CONSTRUCTION																		
OPERATING VOLTAGE	20-250 V AC																																																																						
LINE FREQUENCY	40-60 Hz																																																																						
HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)																																																																						
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤7.0 V at 500 mA																																																																						
OUTPUT FUNCTION -RZ	NORMALLY CLOSED 2-WIRE AC SELF-CONTAINED																																																																						
SHORT-CIRCUIT PROTECTED	NO																																																																						
CONTINUOUS LOAD CURRENT	≤500 mA																																																																						
RESIDUAL CURRENT (LEAKAGE)	≤1.7 mA																																																																						
MINIMUM LOAD CURRENT	≥5.0 mA																																																																						
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 ms, 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 (IN ALL 3 PLANES)																																																																						
LED FUNCTION	RED: OUTPUT ENERGIZED																																																																						
SENSING RANGE	15 mm = .591" (NOMINAL)																																																																						
SWITCHING FREQUENCY	20 Hz																																																																						
REPEATABILITY	≤2% of NOMINAL SENSING RANGE																																																																						
SHIELDED	NO																																																																						
MATING PLUGS/CABLES	3-PIN "MINI" CONSTRUCTION																																																																						
		<table><tr><td colspan="2">MATERIAL</td><td colspan="2">3RD ANGLE PROJECTION</td><td colspan="2" rowspan="2">  TURCK INC 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 PHONE: (612) 553-9224 </td></tr><tr><td colspan="2">FINISH</td><td colspan="2">PLASTIC BARREL</td></tr><tr><td>DRWN</td><td>GMB</td><td>DATE</td><td>5/8/90</td><td colspan="2">PART NO.</td></tr><tr><td>CHKD</td><td></td><td>DATE</td><td></td><td colspan="2">Ni15-P30-RZ3X-B2131</td></tr><tr><td colspan="2">TMI</td><td colspan="2"></td><td>SIZE</td><td>ID NO.</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td>B</td><td>4375491</td></tr><tr><td colspan="4">DIMENSIONS ARE IN</td><td colspan="2">INCHES</td></tr><tr><td colspan="4"></td><td colspan="2">mm</td></tr><tr><td colspan="4"></td><td>SCALE</td><td>NONE</td></tr><tr><td colspan="4"></td><td colspan="2">BPQD-A\4375491</td></tr><tr><td colspan="4"></td><td colspan="2">SHEET ____ OF ____</td></tr></table>						MATERIAL		3RD ANGLE PROJECTION		 TURCK INC 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 PHONE: (612) 553-9224		FINISH		PLASTIC BARREL		DRWN	GMB	DATE	5/8/90	PART NO.		CHKD		DATE		Ni15-P30-RZ3X-B2131		TMI				SIZE	ID NO.					B	4375491	DIMENSIONS ARE IN				INCHES						mm						SCALE	NONE					BPQD-A\4375491						SHEET ____ OF ____	
MATERIAL		3RD ANGLE PROJECTION		 TURCK INC 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 PHONE: (612) 553-9224																																																																			
FINISH		PLASTIC BARREL																																																																					
DRWN	GMB	DATE	5/8/90	PART NO.																																																																			
CHKD		DATE		Ni15-P30-RZ3X-B2131																																																																			
TMI				SIZE	ID NO.																																																																		
				B	4375491																																																																		
DIMENSIONS ARE IN				INCHES																																																																			
				mm																																																																			
				SCALE	NONE																																																																		
				BPQD-A\4375491																																																																			
				SHEET ____ OF ____																																																																			
<table><tr><td>A</td><td>SEE REVISION DOCUMENT NP30-ARZ</td><td>RJP</td><td>3/2/92</td><td></td></tr><tr><td>REV</td><td>DESCRIPTION</td><td>DRFT</td><td>DATE</td><td>CHKD</td></tr><tr><td colspan="5">REVISIONS</td></tr></table>		A	SEE REVISION DOCUMENT NP30-ARZ	RJP	3/2/92		REV	DESCRIPTION	DRFT	DATE	CHKD	REVISIONS																																																											
A	SEE REVISION DOCUMENT NP30-ARZ	RJP	3/2/92																																																																				
REV	DESCRIPTION	DRFT	DATE	CHKD																																																																			
REVISIONS																																																																							