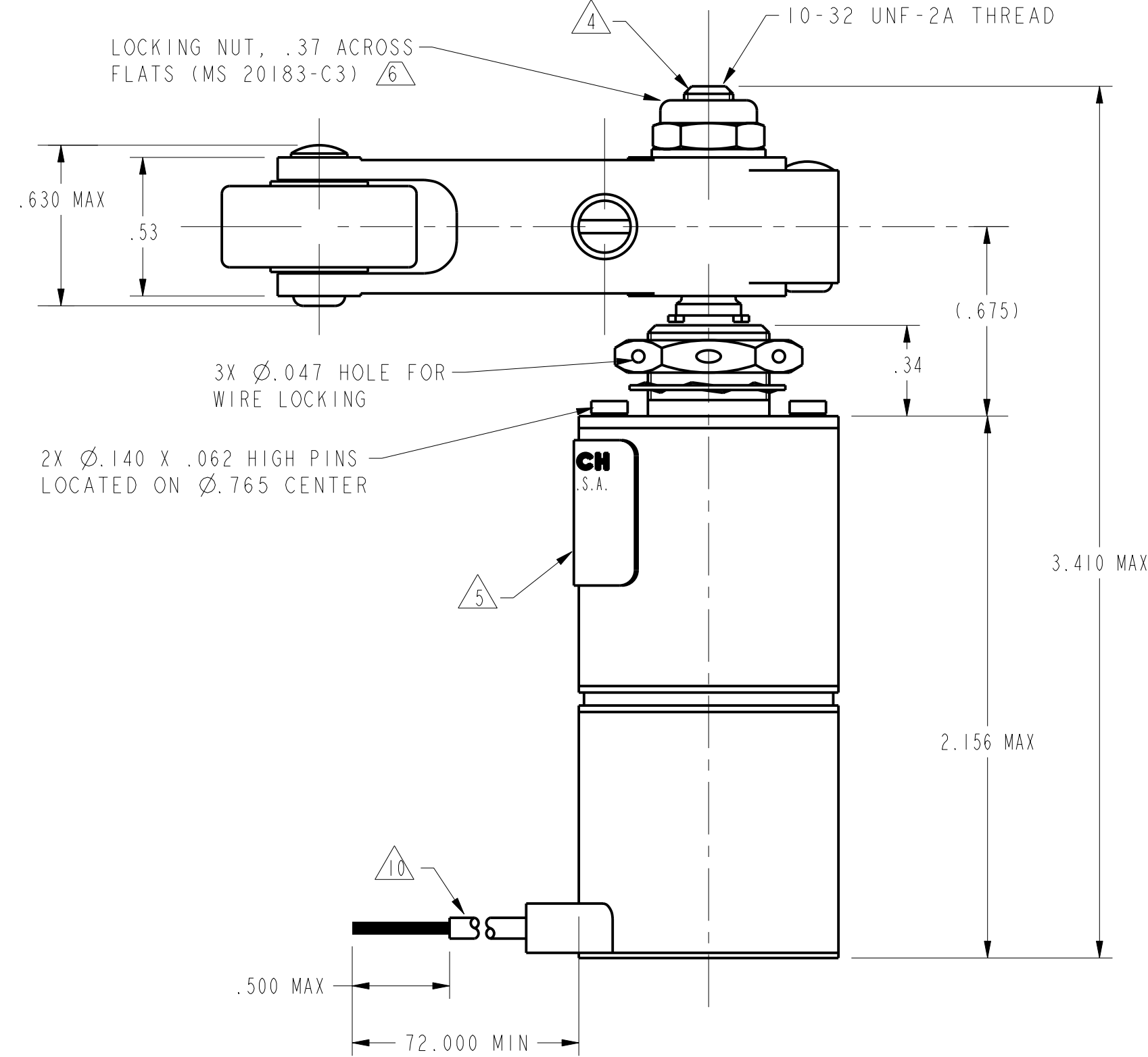
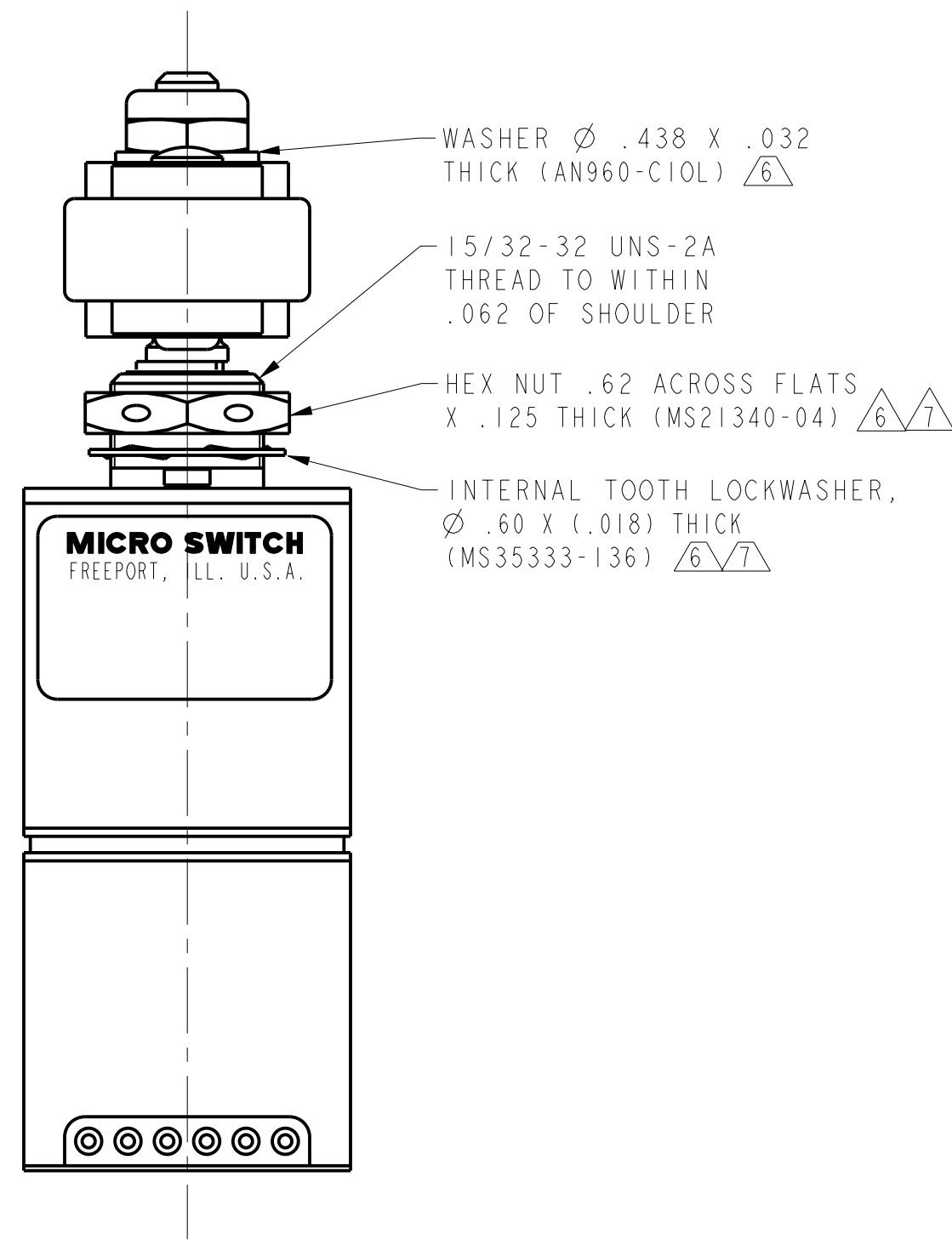
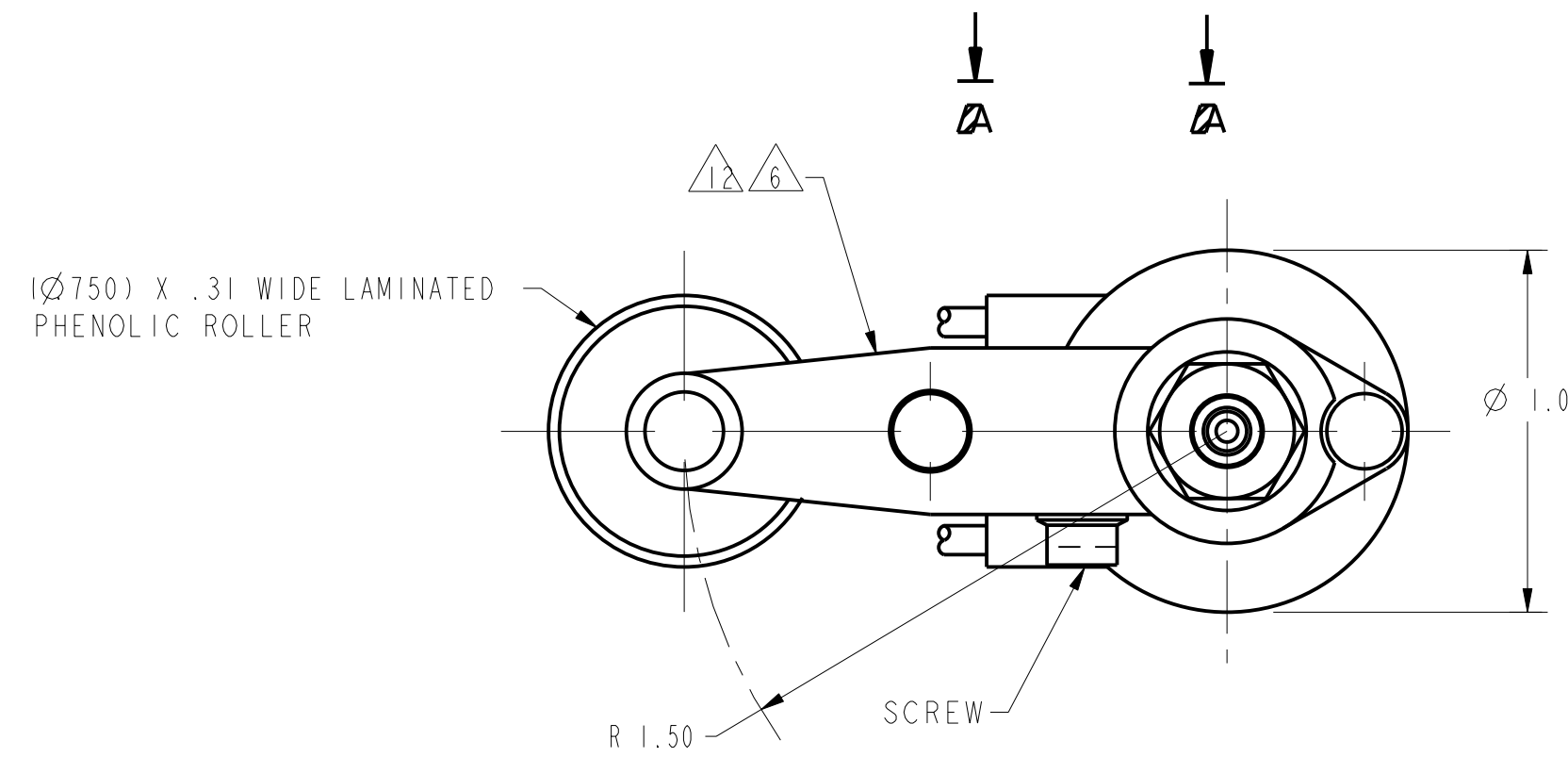
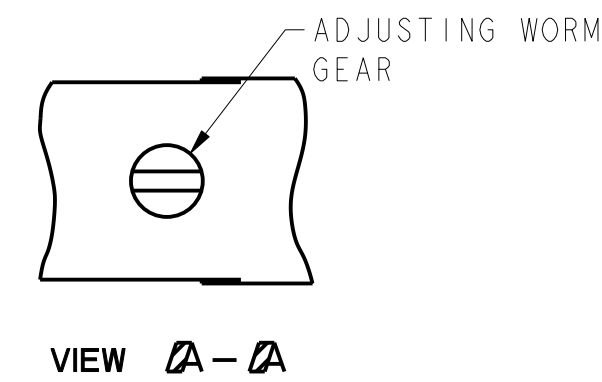
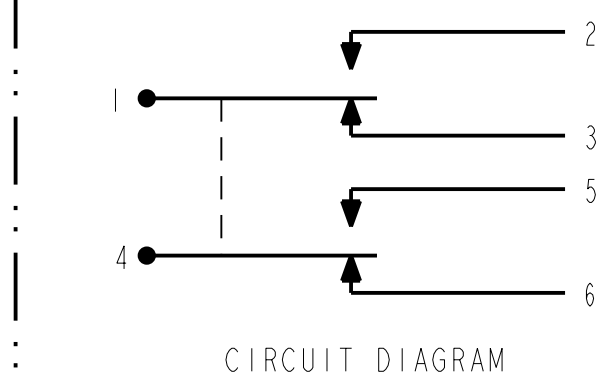
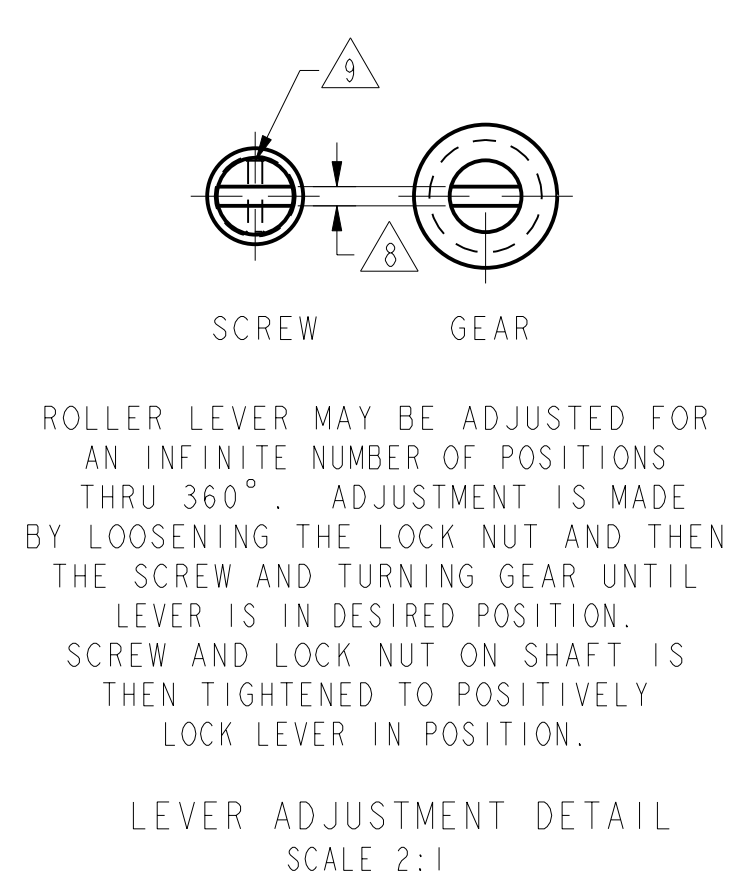




SPECIFICATION DETAILS:		M		31EN11-6													
STANDARD:		CONFORMS TO MS21320-1 (MIL-PRF-8805/48), EXCEPT AS NOTED															
CONSTRUCTION:																	
ENCLOSURE DESIGN		RESILIENT SEAL PER MIL-PRF-8805, SYMBOL 4															
CONTACT MATERIAL & CONFIGURATION		SMOOTH SILVER CONTACTS															
CIRCUIT CONFIGURATION		2 SPDT															
TERMINATION		LEADWIRE PER MIL-W-22759/7															
WEIGHT		9.5 OZ MAX															
EXPOSED METALS		CORROSION RESISTANT STAINLESS STEEL 															
ELECTRICAL CHARACTERISTICS:																	
ELECTRICAL RATINGS		<table><tr><td><u>VOLTAGE</u></td><td><u>RESISTIVE</u></td><td><u>LOAD INDUCTIVE</u></td><td><u>MOTOR</u></td></tr><tr><td>-SEA LEVEL</td><td>5A</td><td>3A</td><td>4A</td></tr><tr><td>-50,000 FEET</td><td>5A</td><td>2A</td><td></td></tr></table>				<u>VOLTAGE</u>	<u>RESISTIVE</u>	<u>LOAD INDUCTIVE</u>	<u>MOTOR</u>	-SEA LEVEL	5A	3A	4A	-50,000 FEET	5A	2A	
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-SEA LEVEL	5A	3A	4A														
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DIELECTRIC STRENGTH & INSULATION RESISTANCE		<table><tr><td>DIELECTRIC STRENGTH ≈ 60 Hz. FOR 5 SECONDS)</td><td>INSULATION RESISTANCE (500 VDC ±10%)</td></tr><tr><td>1000 V Rms, 500µA (MAX. LEAKAGE)</td><td>1000 Megohms MIN</td></tr></table>				DIELECTRIC STRENGTH ≈ 60 Hz. FOR 5 SECONDS)	INSULATION RESISTANCE (500 VDC ±10%)	1000 V Rms, 500µA (MAX. LEAKAGE)	1000 Megohms MIN								
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-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL -BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS -BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE		; ; ;															
SWITCH RESISTANCE		N/A															
RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts		NO 															
MECHANICAL CHARACTERISTICS:																	
CHARACTERISTICS: OPERATING TORQUE FULL OVERTRAVEL TORQUE RELEASE TORQUE FREE POSITION PRETRAVEL DIFFERENTIAL TRAVEL OVERTRAVEL		12-25 IN-LBS 40 IN-LBS MAX 9 IN-LBS MIN } SEE DETAIL															
MOUNTING STRENGTH		15 IN-LBS															
ACTUATOR STRENGTH		10 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION															
LIFE:																	
MECHANICAL LIFE		25,000 MIN. PER MIL-PRF-8805/48 															
ELECTRICAL LIFE AT FULL RATED LOAD		25,000 MIN. PER MIL-PRF-8805/48 															
ENVIRONMENTAL:																	
TEMPERATURE RANGE		-55 C TO +85 C															
ALTITUDE RANGE		SEA LEVEL TO 50,000 FEET															
SHOCK		PER MIL-PRF-8805 SYMBOL M - 100 g															
VIBRATION		PER MIL-PRF-8805 SYMBOL I - 10-500 Hz. & 10 g peak															
MOISTURE RESISTANCE		PER MIL-PRF-8805															
THERMAL SHOCK		PER MIL-PRF-8805															
SALT SPRAY		PER MIL-PRF-8805															

- NOTES
- 1 UNLESS OTHERWISE NOTED
 - 2 SWITCH SEALED PER MIL-PRF-8805, SYMBOL 4
 - 3 CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
 - 4 DO NOT APPLY MORE THAN 20-25 INCH-POUNDS OF TORQUE WHEN TIGHTENING LOCKING NUT
 - 5 CIRCUIT DIAGRAM, CATALOG LISTING AND MILITARY STANDARD NO. MS 21320-1 ARE SHOWN ON NAMEPLATE
 - 6 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
 - 7 REPLACEMENT MOUNTING HARDWARE - PACKET 19PA10
 - 8 .050 WIDE X .050 DEEP SLOT
 - 9 Ø.037 HOLE FOR WIRE LOCKING
 - 10 6X NO 20 LEAD WIRE PER MIL-W-22759/7 MARKED WITH CIRCUIT IDENTIFICATION AND WIRE GAUGE (1-20, 2-20 ETC) PER MIL-W-5088
 - 11 LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
 - 12 DIE CAST ALUMINUM

THIRD ANGLE PROJECTION	
	
SCALE	2 : 1
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) +.030
TWO PLACE	(.00) +.015
THREE PLACE	(.000) +.005
ANGLES	+
WEIGHT	-

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FED. MFG. CODE 91929	SWITCH - ENCLOSED	CATALOG LISTING
MICRO SWITCH a Honeywell Division		3IEN11-6
		MILITARY STD. PART NUMBER MS21320-1