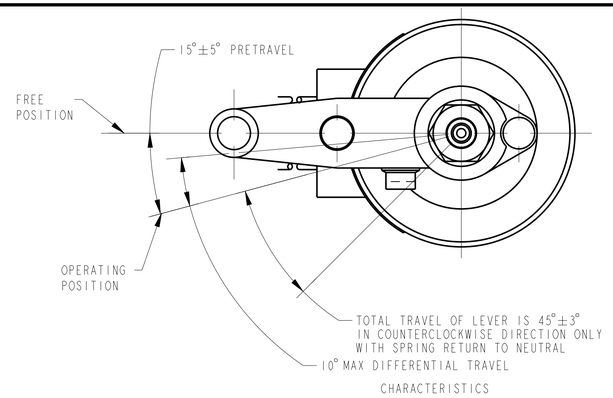
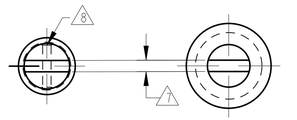


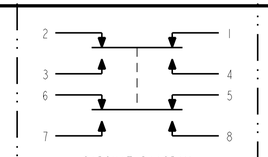
CHARACTERISTICS



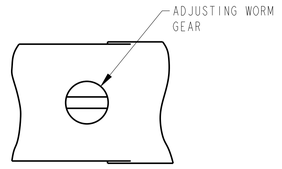
LEVER MAY BE ADJUSTED FOR AN INFINITE NUMBER OF POSITIONS THRU 360°. ADJUSTMENT IS MADE BY LOOSENING THE LOCK NUT SCREW AND TURNING ADJUSTING WORM GEAR UNTIL LEVER IS IN DESIRED POSITION. LOCKING NUT ON SHAFT IS THEN TIGHTENED TO POSITIVELY LOCK LEVER IN POSITION.

LEVER ADJUSTMENT DETAIL

SCALE 3:1

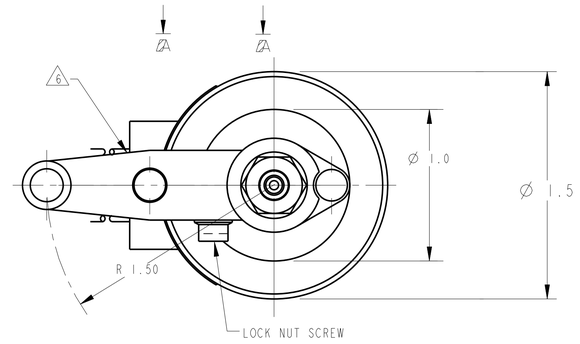


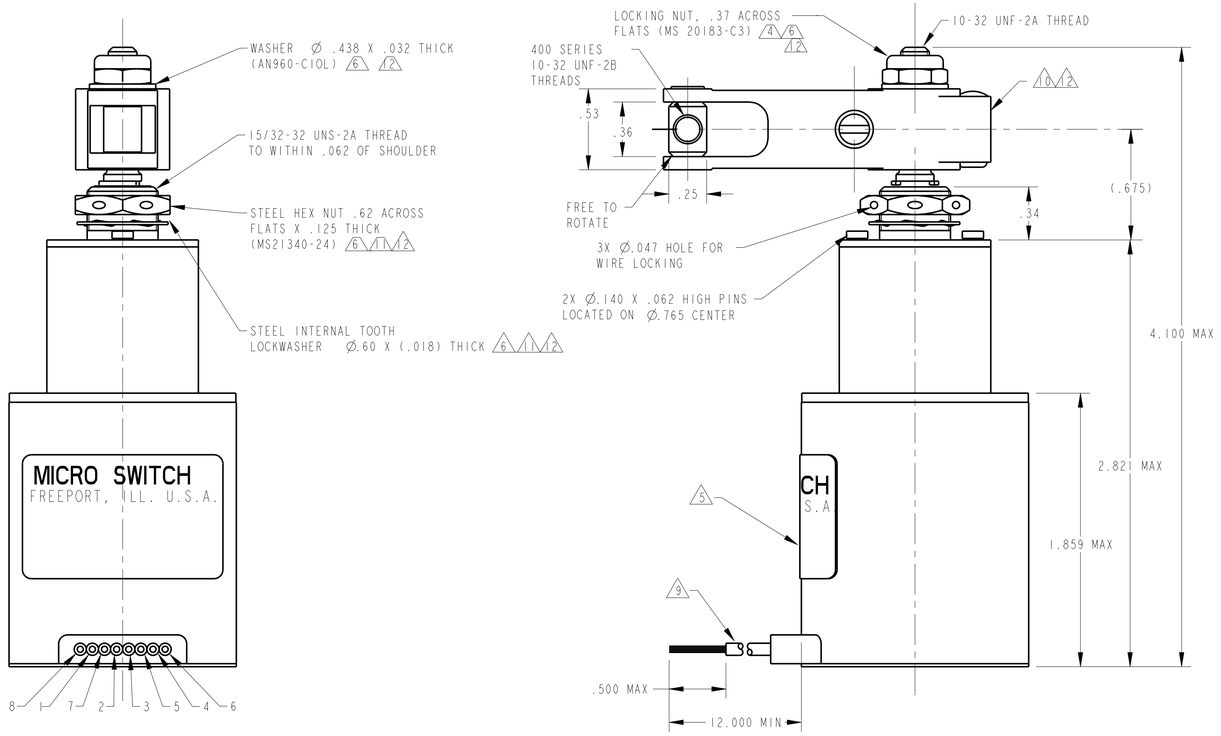
CIRCUIT DIAGRAM



VIEW A – A

SCALE 3:1





SPECIFICATION DETAILS:	
STANDARD:	SWITCH CONFORMS TO MS21320-8 (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	SEE CIRCUIT DIAGRAM
TERMINATION	SEE DRAWING
WEIGHT	15.7 OZ MAX
EXPOSED METALS	300 SERIES CORROSION RESISTANT STAINLESS STEEL 11
O-RING MATERIAL	SILICONE ELASTOMER
ELECTRICAL CHARACTERISTICS:	
CONTACT ARRANGMENT	SEE CIRCUIT DIAGRAM
ELECTRICAL RATINGS -SEA LEVEL -50,000 FEET	VOLTAGE / LOAD RESISTIVE / LOAD INDUCTIVE / LOAD MOTOR 28 VDC / 15 AMP / 10 AMP / 5 AMP 28 VDC / 15 AMP / 10 AMP
DIELECTRIC STRENGTH & INSULATION RESISTANCE	DIELECTRIC STRENGTH (≈60 Hz FOR 5 SECONDS) / INSULATION RESISTANCE (500 VDC ±10%)
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL	1000 V Rms, 500µ A (MAX LKG) / 1000 MEGOHM MIN
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS	1000 V Rms, 500µ A (MAX LKG) / 1000 MEGOHM MIN
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000 V Rms, 500µ A (MAX LKG) / 1000 MEGOHM MIN
SWITCH RESISTANCE	N/A
RECOMMENDATION FOR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts	NO 2
MECHANICAL CHARACTERISTICS:	
OPERATING TORQUE	12-25 IN-LBS
RELEASE TORQUE	8 IN-LBS MIN
FULL OVERTRAVEL TORQUE	40 IN-LBS MAX
PRETRAVEL	SEE DETAIL
DIFFERENTAL TRAVEL	SEE DETAIL
FREE POSITION	SEE DETAIL
OVERTRAVEL	SEE DETAIL
MOUNTING TORQUE	15 IN-LBS RECOMMENDED PER MIL-PRF-8805
MOUNTING STRENGTH	30 IN-LBS MAX WILL NOT CAUSE SWITCH DAMAGE
ACTUATOR STRENGTH	10 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION
LIFE:	
MECHANICAL LIFE	25,000 MIN PER MIL-PRF-8805/48 3
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN PER MIL-PRF-8805/48 3
ENVIRONMENTAL:	
TEMPERATURE RANGE	-55° C TO +85° C
ALTITUDE RANGE	SEA LEVEL TO 50,000 FEET
SHOCK	PER MIL-PRF-8805 SYMBOL M-100g
VIBRATION	PER MIL-PRF-8805 SYMBOL 10-500 Hz, 10g PEAK
MOISTURE RESISTANCE	PER MIL-PRF-8805 (10 DAY TEST)#
THERMAL SHOCK	PER MIL-PRF-8805 (5 CYCLE TEST)
SALT SPRAY	PER MIL-PRF-8805 (96 HR TEST)

NOTES

1. UNLESS OTHERWISE NOTED
2. CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
3. LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
4. DO NOT APPLY MORE THAN 20-25 INCH-POUNDS OF TORQUE WHEN TIGHTENING LOCKING NUT
5. CIRCUIT DIAGRAM, CATALOG LISTING, FED. MFG. CODE AND DATE CODE ARE SHOWN ON NAMEPLATE
6. HARDWARE WILL BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
7. .050 WIDE X ⩛ .050 SLOT
8. Ø.037 HOLE FOR WIRE LOCKING
9. 8X NO 18 LEAD WIRE PER MIL-W-22759/7, MARKED WITH SWITCH CIRCUIT IDENTIFICATION AND WIRE GAUGE (1-18, 2-18 ETC) PER MIL-W-5088
10. DIE CAST ALUMINUM WITH CHROMATE COAT
11. CADMIUM PLATED
12. REPLACEMENT MOUNTING HARDWARE - PACKET 19PA209-EN

13 - MOTOR LOAD, DC: THE DURATION OF THE INRUSH CURRENT SHALL BE NOT LESS THAN .05 SECOND. ONLY RESISTIVE COMPONENTS SHALL BE USED. SWITCHES SHALL MAKE 6 TIMES THE RATED LOAD, AND BREAK THE RATED LOAD.

14. ZINC-NICKEL PLATED

ANSI Y14.5M-1982 APPLIES

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FED. MFG. CODE 91929

MICRO SWITCH a Honeywell Division

SWITCH - ENCLOSED

CATALOG LISTING 34EN3-1

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 15.7 OZ MAX

M 34EN3-1

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DRAWING NUMBER | ISSUE 5 | CHECK

REVISIONS

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