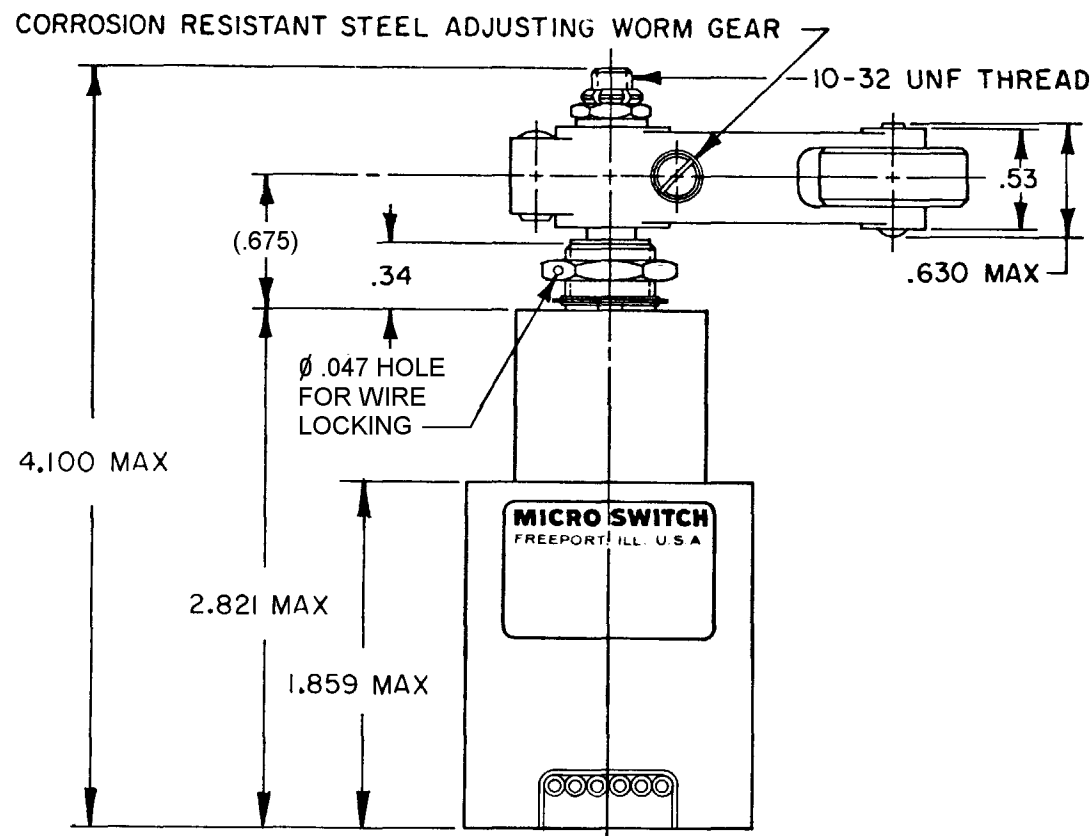
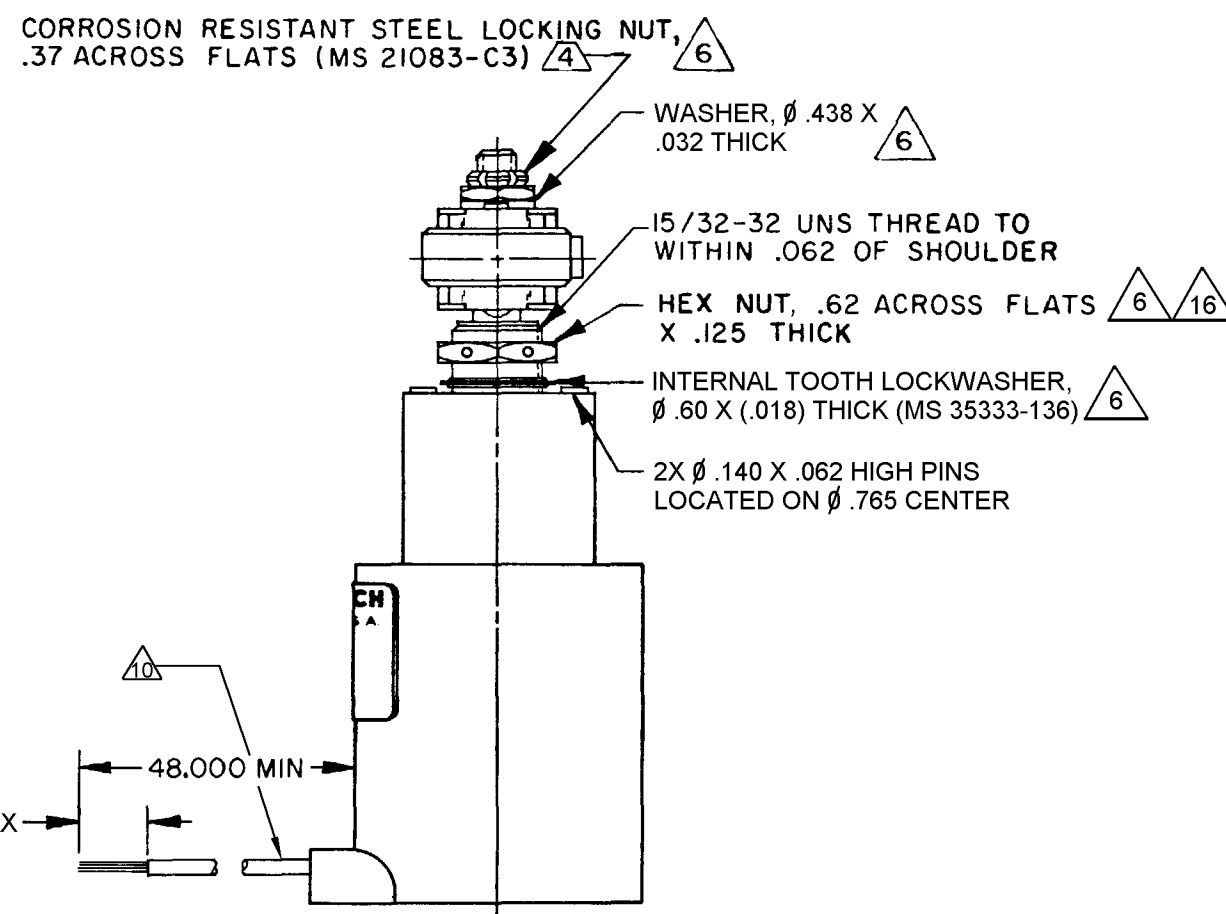
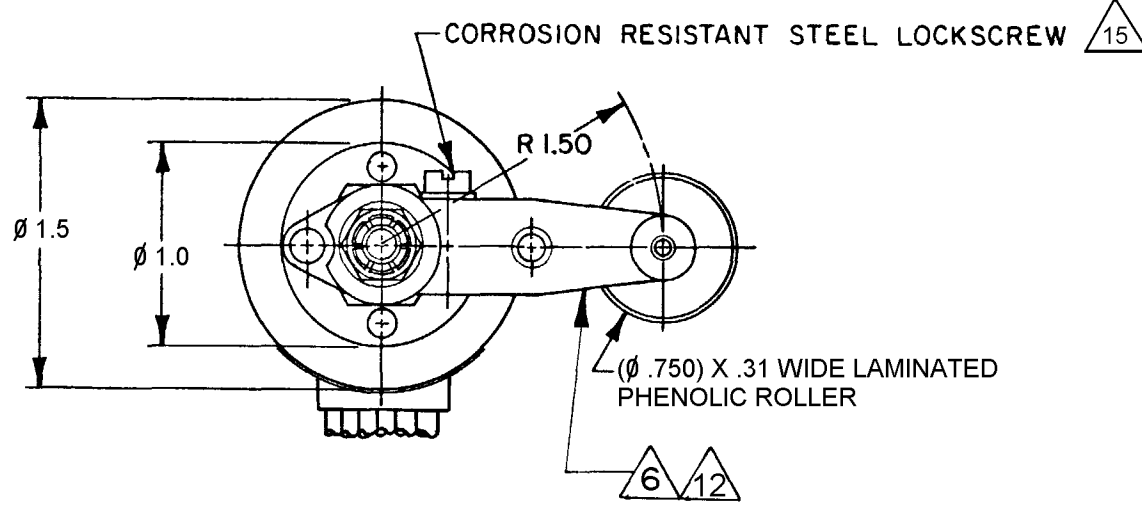
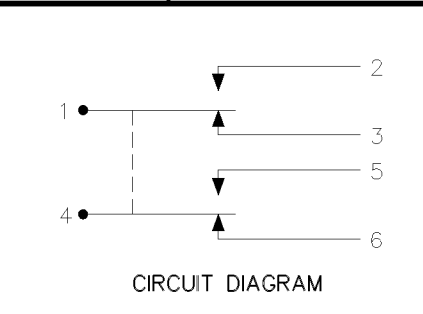
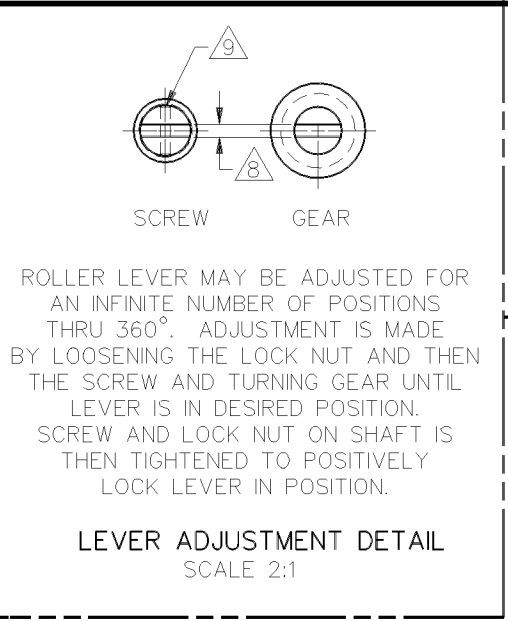
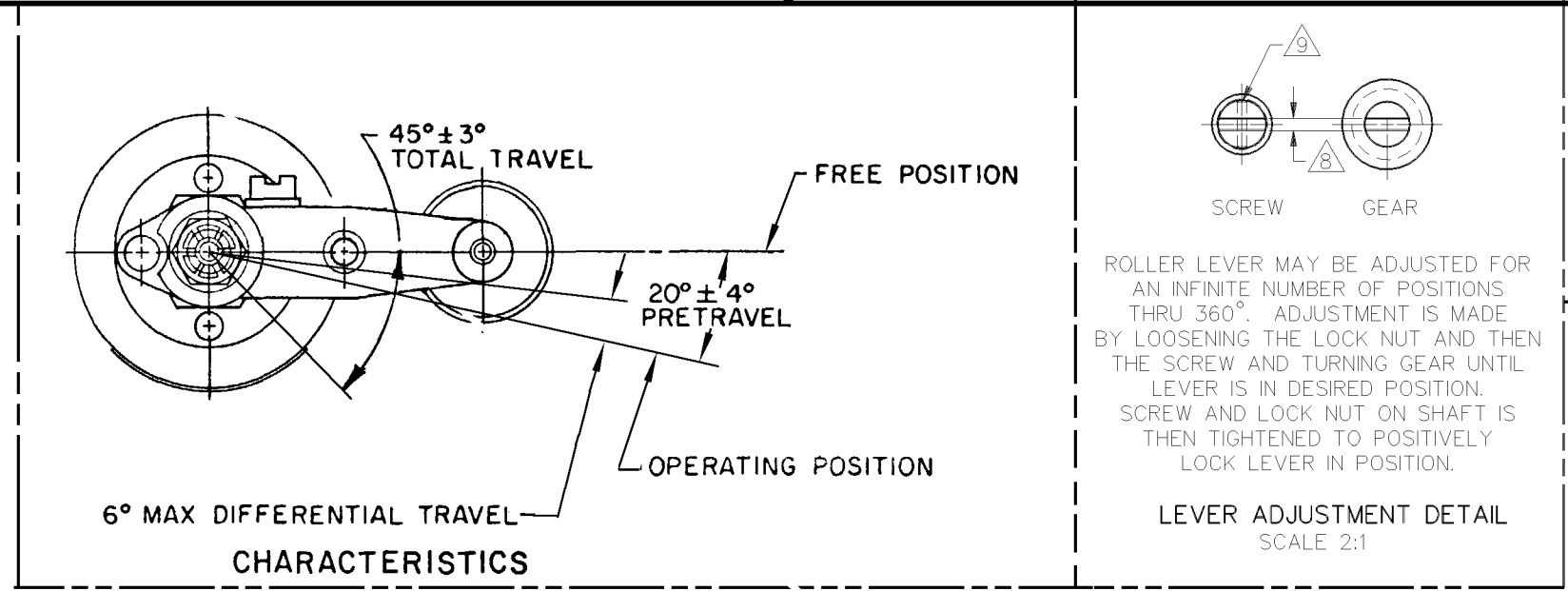


HONEYWELL
PART NUMBER
32EN61-4
FAA-PMA

REV	DOCUMENT	CHANGED BY	CHECK
23	0016179	DVM 24OCT05	RJ



SPECIFICATION DETAILS:

STANDARD:	CONFORMS TO 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	12.3 OZ MAX
EXPOSED METALS	CORROSION RESISTANT STAINLESS STEEL
ELECTRICAL CHARACTERISTICS:	
ELECTRICAL RATINGS	VOLTAGE RESISTIVE LOAD INDUCTIVE MOTOR
-SEA LEVEL	28 VDC 10 6 6
-50,000 FEET	28 VDC 10 3
DIELECTRIC STRENGTH & INSULATION RESISTANCE	DIELECTRIC STRENGTH INSULATION RESISTANCE
(~60 Hz. FOR 5 SECONDS)	(500 VDC ± 10%)
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL	1000 V Rms, 500µ A (MAX. LEAKAGE)
-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	12-25 IN-LBS
FULL OVERTRAVEL TORQUE	40 IN-LBS MAX
RELEASE TORQUE	9 IN-LBS MIN (AS ADJUSTED)
FREE POSITION	} SEE DETAIL
PRETRAVEL	
DIFFERENTIAL TRAVEL	
OVERTRAVEL	4 IN-LBS MIN (AFTER 25,000 OPERATIONS)
MOUNTING STRENGTH	15 IN-LBS RECOMMENDED PER MIL-PRF-8805
	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
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 1 - 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
- UNLESS OTHERWISE NOTED
 - OPERATING POINT OF BOTH POLES SHALL BE WITHIN 1/2° OF SHAFT ROTATION AND RELEASE POINT OF BOTH POLES SHALL BE WITHIN 1/2° OF SHAFT ROTATION CONTROLLING ELECTRICAL LOADS OF 2 AMPS OR LESS
 - CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
 - INSTALLATION TORQUE 20-25 IN.-LBS.
 - CIRCUIT DIAGRAM, CATALOG LISTING, DATE CODE, FED. MFG. CODE AND FAA-PMA ARE SHOWN ON NAMEPLATE
 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
 - REPLACEMENT MOUNTING HARDWARE - PACKET 19PA10
 - .050 WIDE X .050 DEEP SLOT
 - Ø.037 HOLE FOR WIRE LOCKING
 - (6) NO. 18 WIRE LEAD IN ACCORDANCE WITH MIL-W-22759/7 MARKED WITH SWITCH CIRCUIT IDENTIFICATION AND WIRE GAGE (1-18, 2-18 ETC) PER MIL-W-5088
 - LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
 - DIE CAST ALUMINUM
 - O-RING MATERIAL: SILICONE
 - TOTAL TRAVEL OF ROLLER LEVER IS 45° ± 3° IN CLOCKWISE DIRECTION ONLY, WITH SPRING RETURN TO NEUTRAL
 - AFTER LEVER ADJUSTMENT, FINAL LOCKING TORQUE 12-16 IN-LBS
 - JAM NUT INSTALLATION TORQUE: 15-30 IN-LBS
 - FOR MANUFACTURING DETAIL SEE ASSEMBLY DRAWING 32EN61-4 FOR FAA-PMA

DESIGN UNITS: INCH
TOLERANCES UNLESS NOTED:

NO PLACE	X ±	0.040
ONE PLACE	.X ±	0.030
TWO PLACE	.XX ±	0.015
THREE PLACE	.XXX ±	0.005
FOUR PLACE	.XXXX ±	0.0005
ANGLES	±	2

THIRD ANGLE PROJECTION

RASTER

DRAWN	TSM	20SEP01
CHECK	SAV	20SEP01
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.		
INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY		

Honeywell			
TITLE SWITCH - ENCLOSED			
SIZE	TYPE	DRAWING NAME	REV
C	I	32EN61-4	23
SCALE	NONE	SHEET	1 OF 1

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[11SM77-T](#) [11SM863-T](#) [11SM866](#) [11SX47-H58](#) [A7CN-1M-1-LEFT](#)