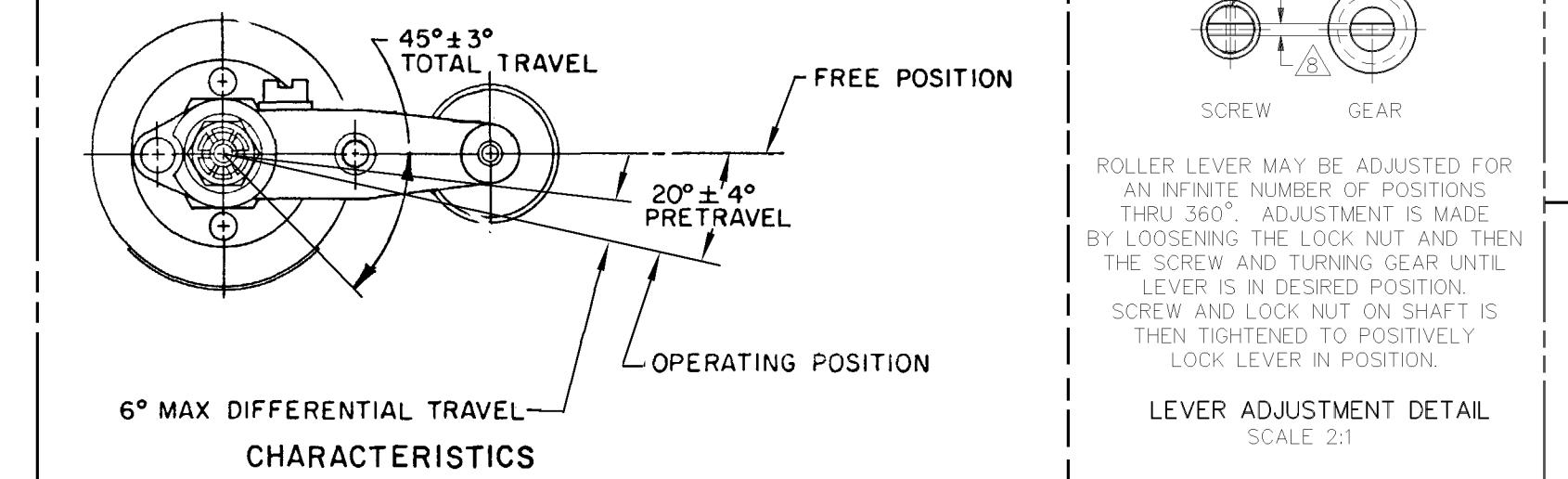


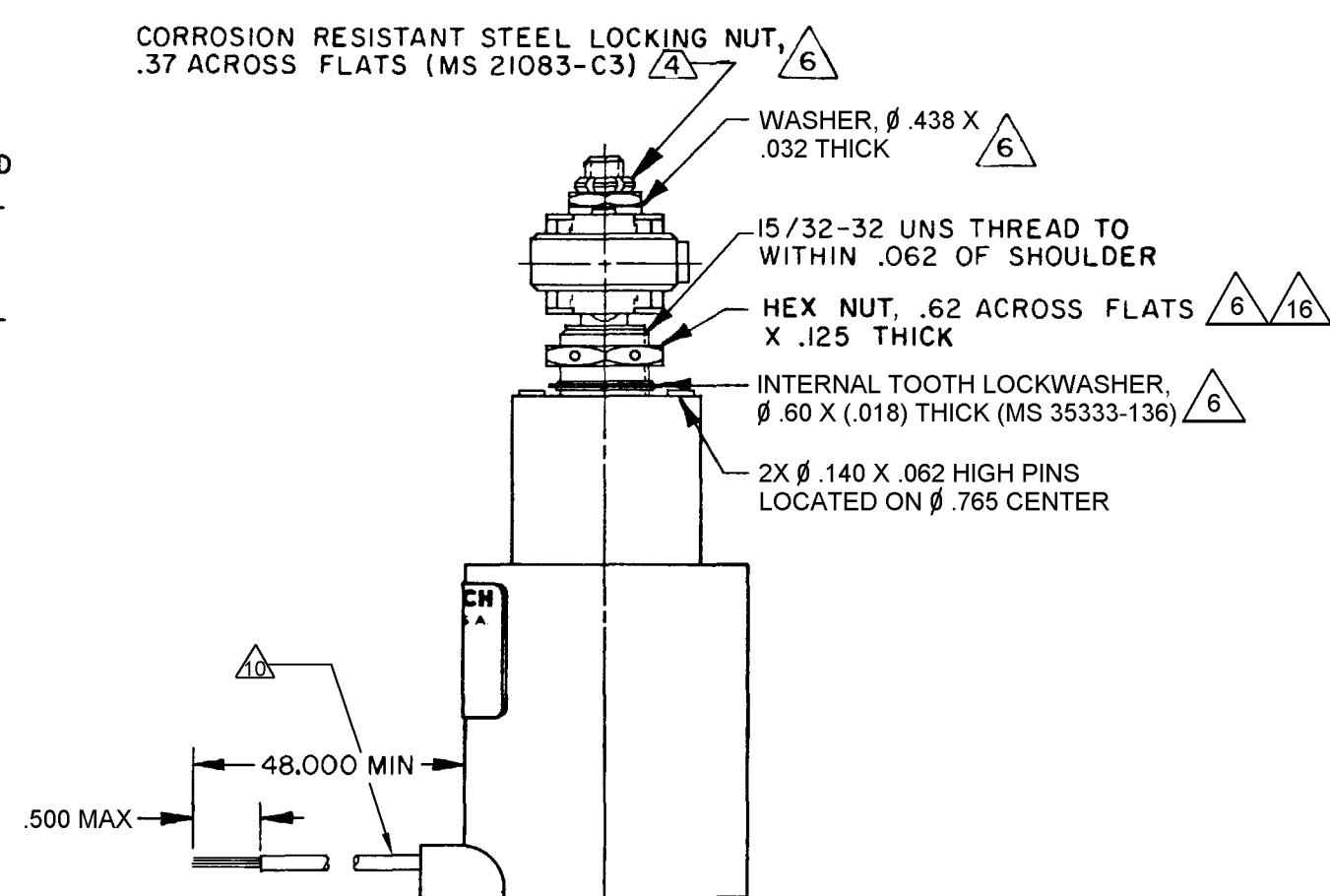
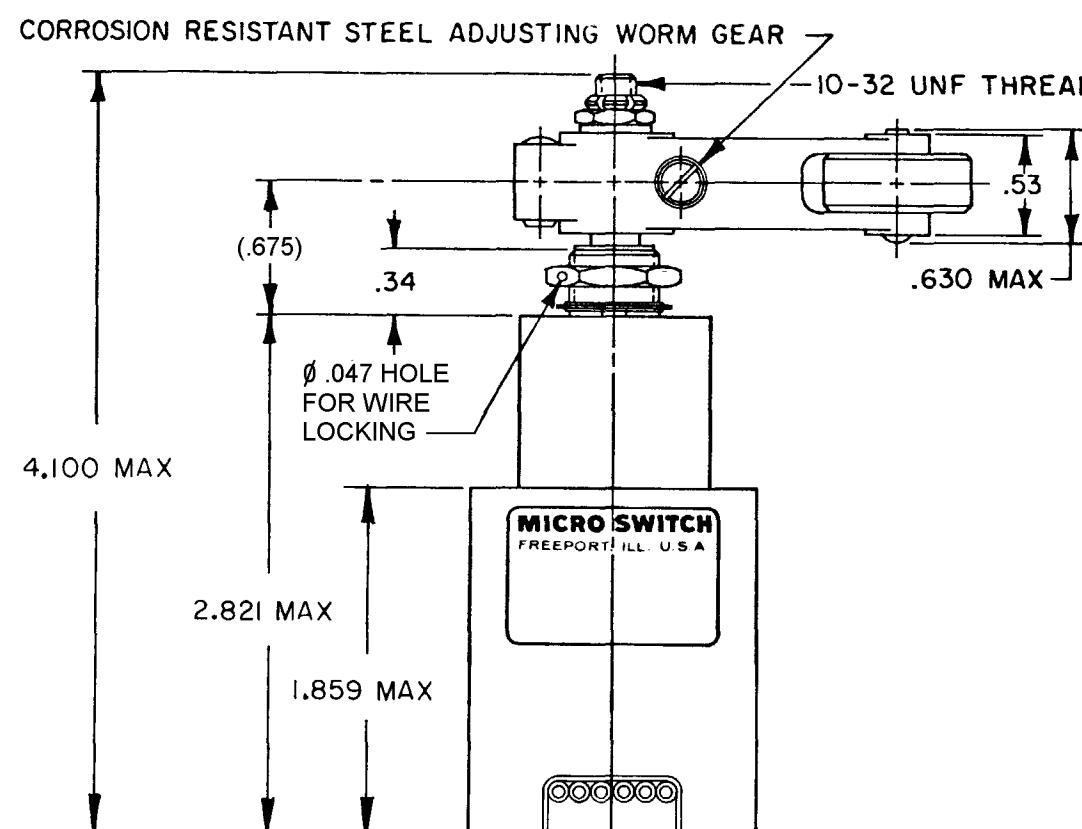
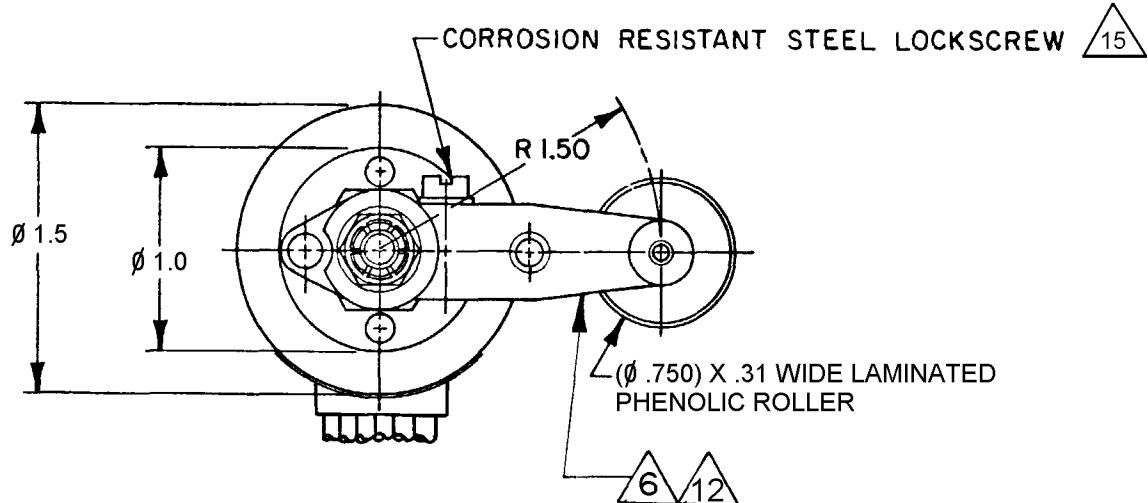
HONEYWELL
PART NUMBER
32EN61-4
FAA-PMA 17

REV DOCUMENT CHANGED BY CHECK
23 0016179 DVM 24OCT05 RJ



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

LEVER ADJUSTMENT DETAIL
SCALE 2:1



NOTES
1 UNLESS OTHERWISE NOTED

2 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

3 CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS

4 INSTALLATION TORQUE 20-25 IN.-LBS.

5 CIRCUIT DIAGRAM, CATALOG LISTING, DATE CODE, FED. MFG. CODE AND FAA-PMA 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 (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

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

13 O-RING MATERIAL: SILICONE

14 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

15 JAM NUT INSTALLATION TORQUE: 15-30 IN-LBS

16 FOR MANUFACTURING DETAIL SEE ASSEMBLY DRAWING 32EN61-4 FOR FAA-PMA

SPECIFICATION DETAILS:

STANDARD:	CONFORMS TO MIL-PRF-8805/48, EXCEPT AS NOTED		
CONSTRUCTION:	RESILIENT SEAL PER MIL-PRF-8805 SYMBOL 4		
ENCLOSURE DESIGN	SMOOTH SILVER CONTACTS		
CONTACT MATERIAL & CONFIGURATION	2 SPDT		
CIRCUIT CONFIGURATION	LEADWIRE PER MIL-W-22759/7		
TERMINATION	12.3 OZ MAX		
WEIGHT	CORROSION RESISTANT STAINLESS STEEL 17		
EXPOSED METALS			
ELECTRICAL CHARACTERISTICS:			
ELECTRICAL RATINGS	VOLTAGE	RESISTIVE	LOAD INDUCTIVE
-SEA LEVEL	28 VDC	10	6
-50,000 FEET	28 VDC	10	3
DIELECTRIC STRENGTH & INSULATION RESISTANCE	DIELECTRIC STRENGTH (≈60 Hz. FOR 5 SECONDS)	INSULATION RESISTANCE (1500 VDC ± 10%)	
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL	1000 V Rms, 500 μA (MAX. LEAKAGE)	1000 Megohms MIN	
-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 3		
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	4 IN-LBS MIN (AFTER 25,000 OPERATIONS)		
PRETRAVEL	SEE DETAIL		
DIFFERENTIAL TRAVEL			
OVERTRAVEL			
MOUNTING STRENGTH	15 IN-LBS RECOMMENDED PER MIL-PRF-8805		
ACTUATOR STRENGTH	30 IN-LBS MAX WILL NOT CAUSE SWITCH DAMAGE		
LIFE:	10 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION		
MECHANICAL LIFE	25,000 MIN. PER MIL-PRF-8805/48 17		
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN. PER MIL-PRF-8805/48 17		
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		

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



DRAWN TSM 20SEP01
CHECK SAV 20SEP01

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INTERPRET PER ASME Y14.5M-1994
OTHER HONEYWELL ENGINEERING
STANDARDS MAY APPLY

Honeywell

TITLE SWITCH - ENCLOSED

SIZE C TYPE I DRAWING NAME 32EN61-4

REV 23

RASTER

SCALE NONE

SHEET 1 OF 1

Mouser Electronics

Authorized Distributor

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