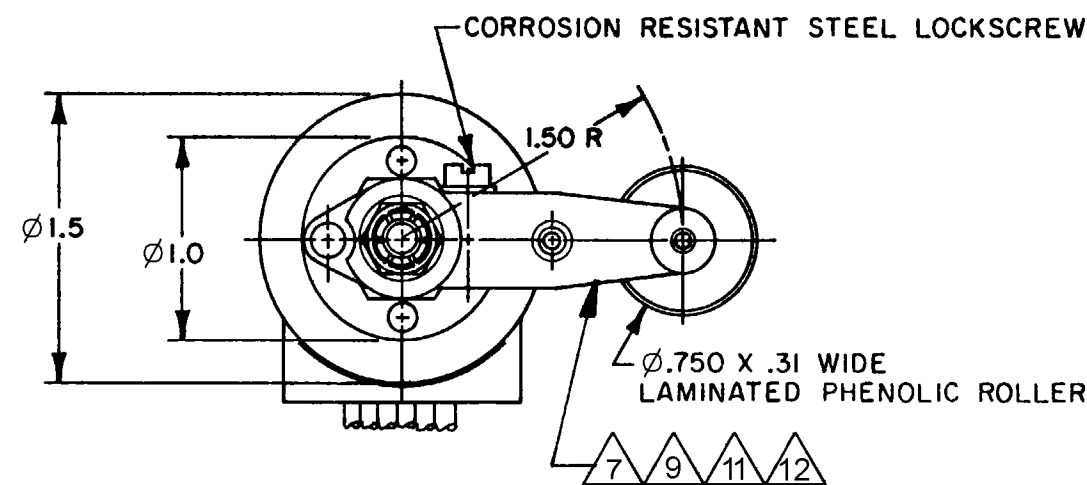
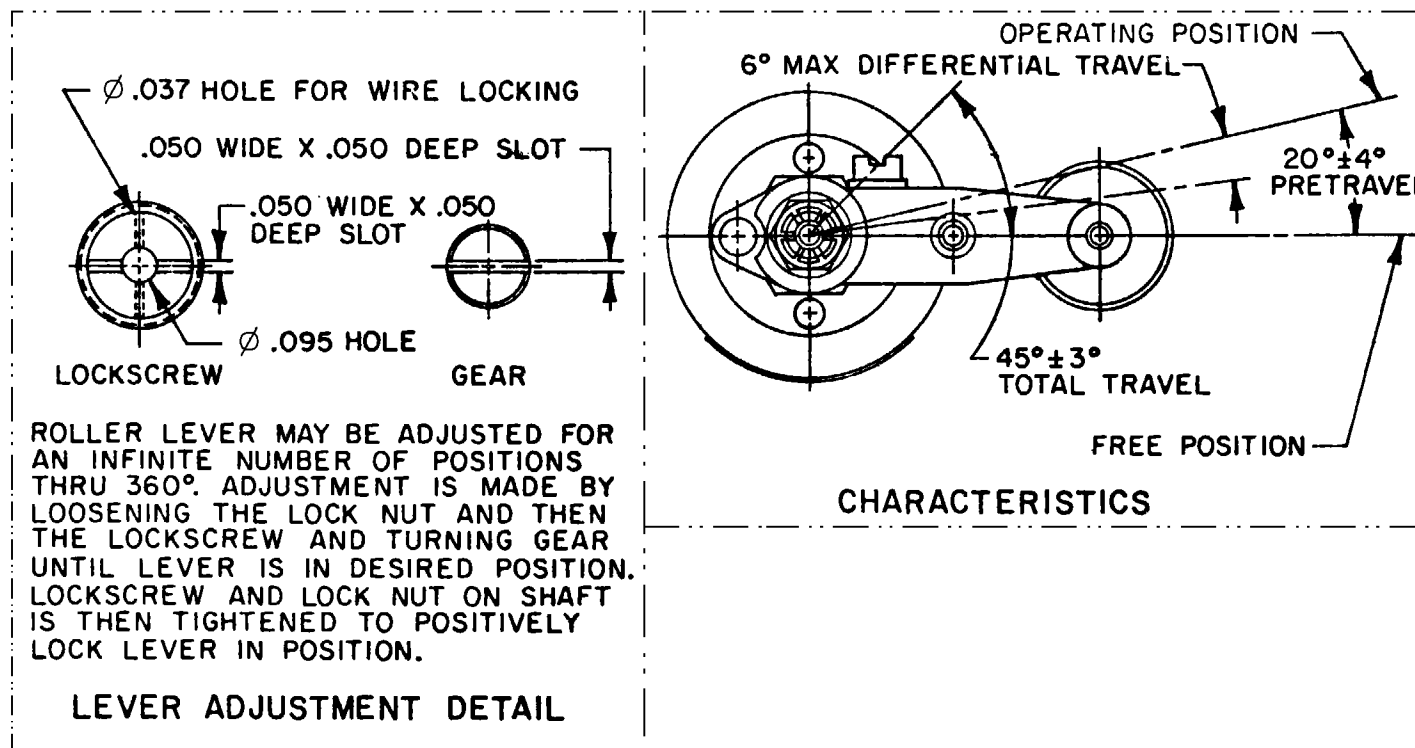


HONEYWELL PART NUMBER
35EN24-4
FAA-PMA

REV	DOCUMENT	CHANGED BY	CHECK
12	0050529	SSK 26MAR09	CMH



SPECIFICATION DETAILS:	
STANDARD:	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	GOLD BIFURCATED CONTACTS
CIRCUIT CONFIGURATION	2 S.P.D.T.
TERMINATION	LEADWIRES MIL-W-22759/7
WEIGHT	11 OZ. MAX
O-RING MATERIAL	E.P.RUBBER

ELECTRICAL CHARACTERISTICS:		
ELECTRICAL RATINGS	MAX LOAD	SEA LEVEL
-SEA LEVEL	28 VDC	50,000 FT
-50,000 FEET	RESISTIVE 1.0 AMP	28 VDC
	INDUCTIVE 0.5 AMP	1.0 AMP
		0.5 AMP

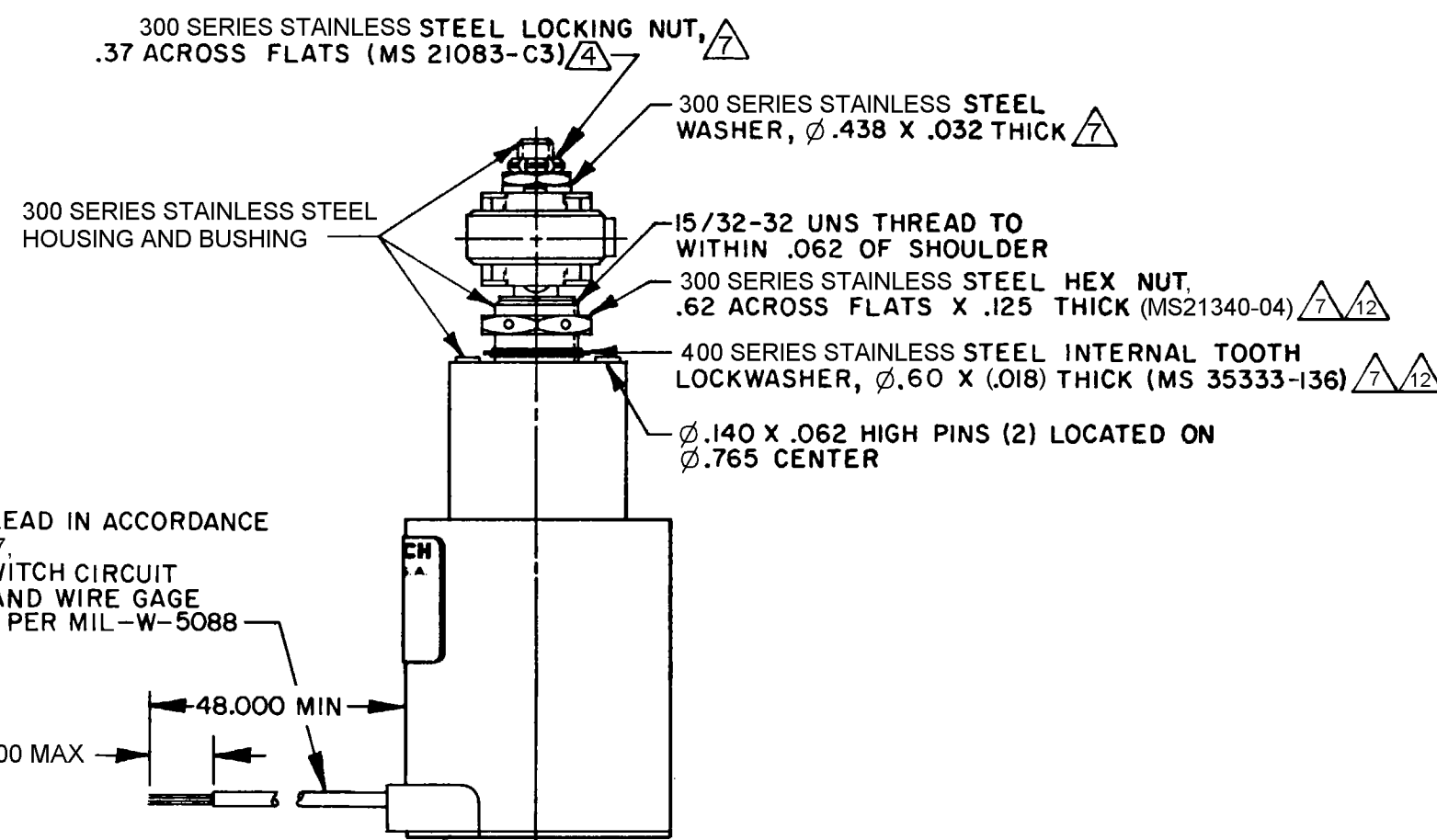
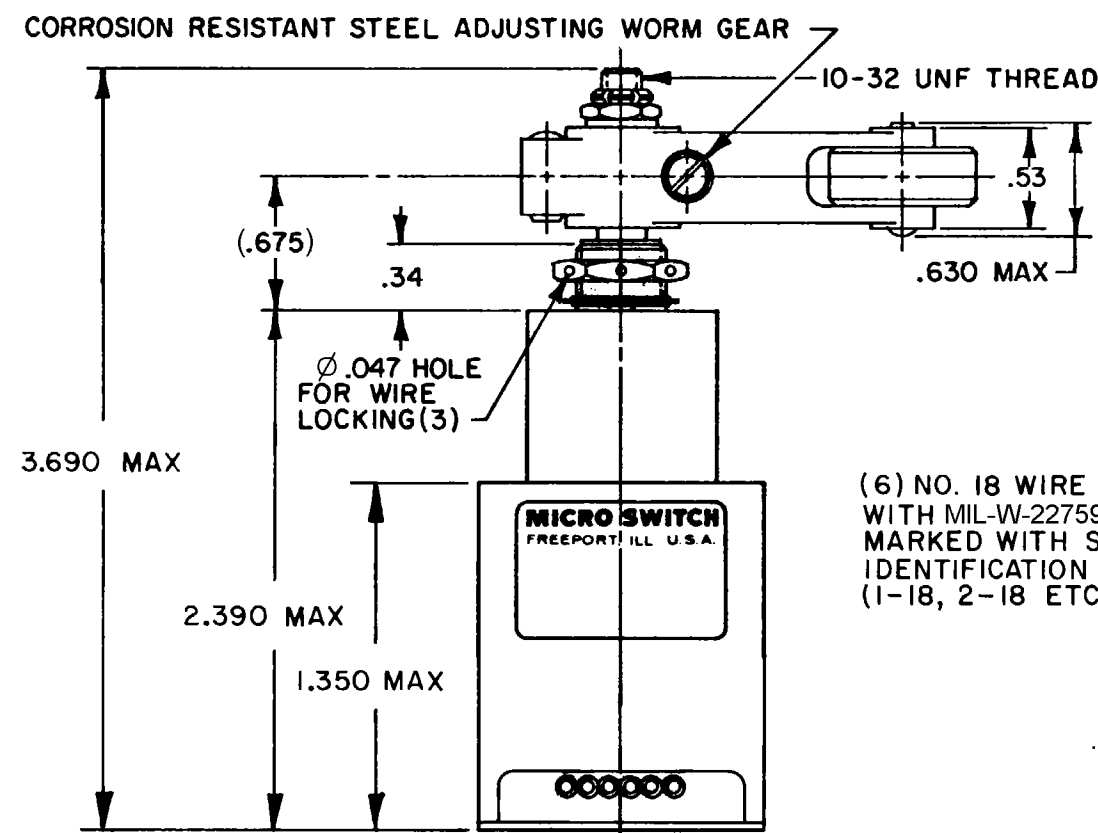
DIELECTRIC STRENGTH & INSULATION RES (BASIC SWITCH)	DIELECTRIC STRENGTH	INSULATION RESISTANCE
	(BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL)	(500 VDC±10%)
	(BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS)	1000 V Rms, 500 μA (MAX LEAKAGE) 1000 Megohms MIN
	(BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE)	1000 V Rms, 500 μA (MAX LEAKAGE) 1000 Megohms MIN

SWITCH RESISTANCE	2.0 OHMS MAX (MEASURED AT 5.0 VDC, 0.1mA)
RECOMMENDATION OR USE IN APPL LESS THAN .5 amps AND/OR 12 volts	PREFERRED

MECHANICAL CHARACTERISTICS:	
OPERATING TORQUE	12-25 IN-LBS
RELEASE TORQUE	9 IN-LBS MIN (AS ADJUSTED); 4 IN-LBS MIN (AFTER 25K OPS)
DIFFERENTIAL TRAVEL	SEE LEVER DETAIL
OVERTRAVEL	SEE LEVER DETAIL
FULL OVERTRAVEL TORQUE	40 IN-LBS MAX
FREE POSITION	SEE LEVER DETAIL
PRETRAVEL	SEE LEVER DETAIL
MOUNTING STRENGTH	15 IN-LBS
ACTUATOR STRENGTH	10 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH TO ACTUATE

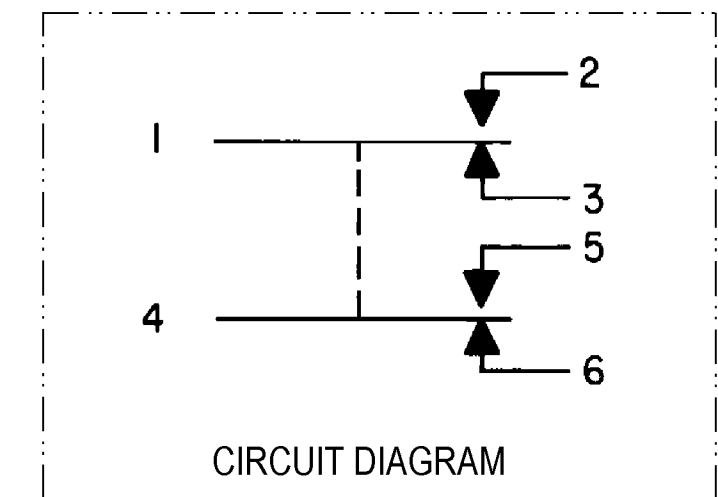
LIFE:	
MECHANICAL LIFE	25,000 MIN PER MIL-PRF-8805/48
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN PER MIL-PRF-8805/48

ENVIRONMENTAL:	
TEMPERATURE RANGE	-55° C TO +85° C
ALTITUDE RANGE	SEA LEVEL TO 50,000 FT
SHOCK	PER MIL-PRF-8805 SYMBOL M-100g
VIBRATION	PER MIL-PRF-8805 SYMBOL 1 -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 HOUR TEST)



(6) NO. 18 WIRE LEAD IN ACCORDANCE WITH MIL-W-22759/7. MARKED WITH SWITCH CIRCUIT IDENTIFICATION AND WIRE GAUGE (1-18, 2-18 ETC) PER MIL-W-5088

- NOTES**
- CORROSION RESISTANT STEEL ENCLOSURE
  - SWITCH SEALED PER MIL-PRF-8805 SYMBOL 4
  - CIRCUIT DIAGRAM, CATALOG LISTING, DATE CODE, FED. MFG. CODE AND FAA - PMA ARE SHOWN ON NAMEPLATE
  - DO NOT APPLY MORE THAN 20-25 INCH-POUNDS OF TORQUE WHEN TIGHTENING LOCKING NUT
  - SHAFT SEAL MATERIAL E.P.RUBBER
  - BASIC SWITCHES HAVE BIFURCATED GOLD CONTACTS
  - HARDWARE MAYBE PACKAGED UNASSEMBLED PER MIL-PRF-8805
  - TOTAL TRAVEL OF ROLLER LEVER IS 45° ± 3° IN COUNTER-CLOCKWISE DIRECTION ONLY, WITH SPRING RETURN TO NEUTRAL
  - CHROMATED ALUMINIUM DIE CAST LEVER
  - CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
  - REPLACEMENT LEVER 6PA30
  - REPLACEMENT MOUNTING HARDWARE - PACKET 19PA209-EN
  - AS MANUFACTURED SWITCH RESISTANCE SHOULD NOT EXCEED THE VALUE SPECIFIED WHEN MEASURED AT ACTUATOR FREE POSITION AND FULL OVERTRAVEL. A NEW SWITCH AS INSTALLED CARRYING APPLICATION LOADS SHOULD HAVE SWITCH RESISTANCE NOT EXCEEDING 1% OF THE LOAD IMPEDANCE. HONEYWELL-MICRO SWITCH VERIFIES SWITCH RESISTANCE USING THE FOUR-WIRE VOLTAGE DROP METHOD
  - LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
  - FOR MANUFACTURING DETAIL SEE ASSEMBLY DRAWING 35EN24-4 FOR FAA-PMA



DESIGN UNITS: INCH	DRAWN	JAP	29APR80	<b>Honeywell</b>	
TOLERANCES UNLESS NOTED:	CHECK	DJW	01MAY80		
NO PLACES X ± 0.040	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.			TITLE	
ONE PLACE .X ± 0.030	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SWITCH - ENCLOSED	
TWO PLACE .XX ± 0.015				SIZE	TYPE
THREE PLACE .XXX ± 0.005	C	I	91929	35EN24-4	12
FOUR PLACE .XXXX ± 0.0005	RASTER			SCALE - NONE	SHEET 1 OF 1
ANGLES X ± 2°					