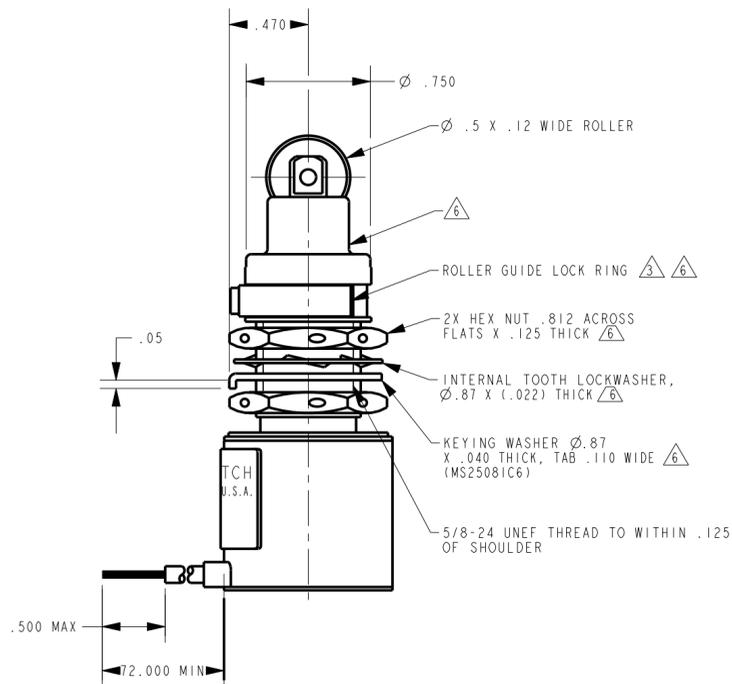
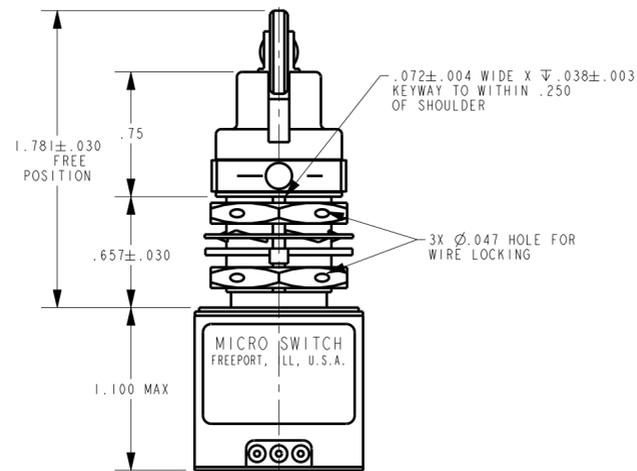
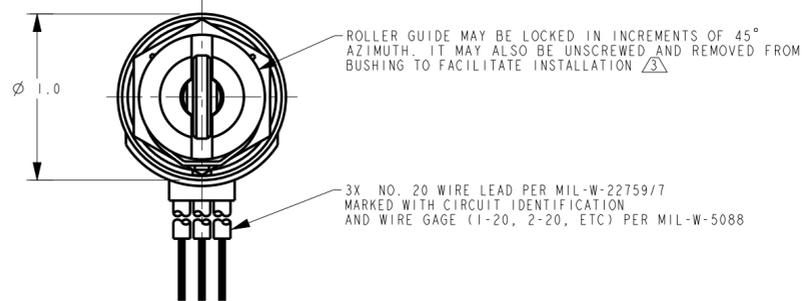
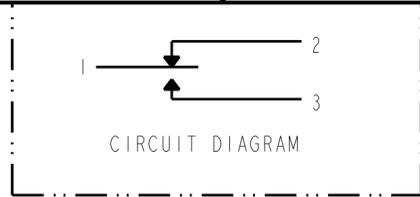


HONEYWELL PART NUMBER
21EN110-6
FAA-PMA



REV	DOCUMENT	CHANGED BY	CHECK
8	0006859	DVM 28JUL04	AK



SPECIFICATION DETAILS:				
STANDARD:	CONFORMS TO MS24331-1 (MIL-PRF-8805/40), EXCEPT AS NOTED			
CONSTRUCTION:	RESILIENT SEAL PER MIL-PRF-8805, SYMBOL 4			
ENCLOSURE DESIGN	SMOOTH SILVER CONTACTS			
CONTACT MATERIAL & CONFIGURATION	SPDT			
CIRCUIT CONFIGURATION	LEADWIRE PER MIL-W-22759/7			
TERMINATION	6.5 OZ MAX			
WEIGHT	CORROSION RESISTANT STAINLESS STEEL			
EXPOSED METALS	ELECTRICAL RATINGS:			
ELECTRICAL RATINGS	VOLTAGE	RESISTIVE	LOAD INDUCTIVE	MOTOR
-SEA LEVEL	28 VDC	4A	2A	4A
-50,000 FEET	28 VDC	4A	2A	4A
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, 500µA (MAX. LEAKAGE)		1000 Megohm MIN	
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS	1000 V Rms, 500µA (MAX. LEAKAGE)		1000 Megohm MIN	
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000 V Rms, 500µA (MAX. LEAKAGE)		1000 Megohm MIN	
SWITCH RESISTANCE	N/A			
RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts	NO <sup>7</sup>			
MECHANICAL CHARACTERISTICS:				
CHARACTERISTICS:				
OPERATING FORCE	3-6 LBS			
FULL OVERTRAVEL FORCE	17 LB MAX			
RELEASE FORCE	2 LB MIN			
PRETRAVEL	.040 MAX			
DIFFERENTIAL TRAVEL	.020 MAX			
OVERTRAVEL	.250 MIN			
MOUNTING STRENGTH	15 IN-LBS			
ACTUATOR STRENGTH	30 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION			
LIFE:				
MECHANICAL LIFE	25,000 MIN. PER MIL-PRF-8805/40 <sup>7</sup>			
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN. PER MIL-PRF-8805/40 <sup>7</sup>			
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
- <sup>1</sup> LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL - MICRO SWITCH FOR ADDITIONAL DATA
  - <sup>2</sup> CONTACT HONEYWELL - MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
  - <sup>3</sup> TO ADJUST ROLLER DIRECTION, REMOVE ROLLER GUIDE LOCK RING, SCREW ROLLER GUIDE DOWN AS FAR AS POSSIBLE, THEN UNSCREW TO DESIRED DIRECTION. SECURE BY REPLACING ROLLER GUIDE LOCK RING
  - 4 - CIRCUIT DIAGRAM, CAT. LIST., DATE CODE, FED. MFG. CODE AND FAA-PMA ARE SHOWN ON NAMEPLATE
  - 5 - REPLACEMENT LOCK RING-PACKET 15PA137 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
  - <sup>7</sup> FOR MANUFACTURING DETAIL SEE ASSEMBLY DRAWING 21EN110-6 FOR FAA-PMA

DESIGN UNITS: INCH TOLERANCES UNLESS NOTED:	DRAWN	TSM	01NOV00	<b>Honeywell</b>		
NO PLACE .X ±	CHECK	SAV	01NOV00			
ONE PLACE .X ±	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		
TWO PLACE .XX ±	INTERPRET PER ANSI Y14.5M-1982 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SWITCH - ENCLOSED		
THREE PLACE .XXX ±	Pro/ENGINEER			SIZE	TYPE	DRAWING NAME
FOUR PLACE .XXXX ±	2D			C	I	21EN110-6
ANGLES X ±	SCALE 2:1			SHEET 1 OF 1		REV 8
THIRD ANGLE PROJECTION	2			A		

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