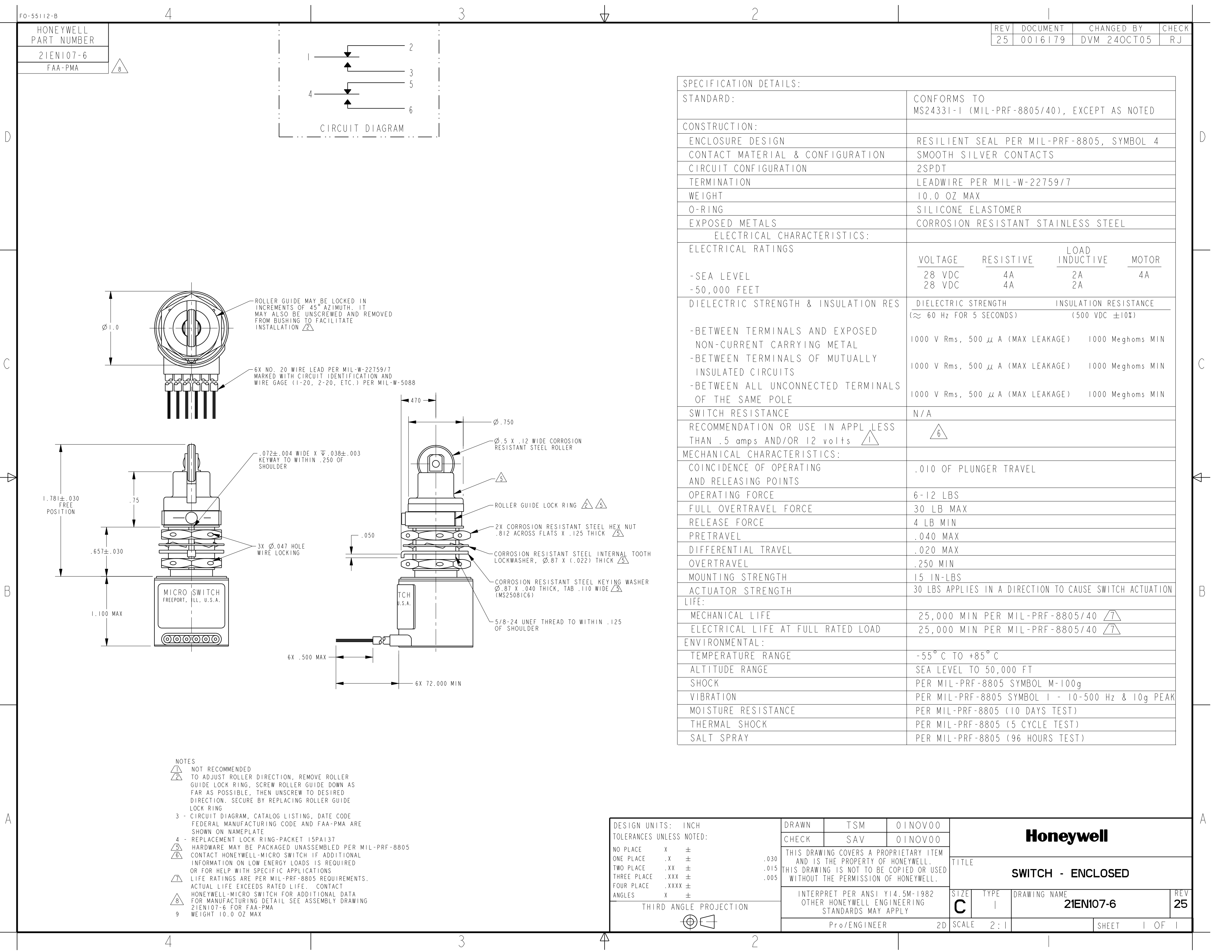




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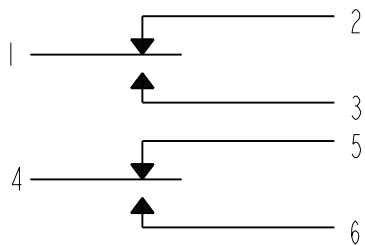
1

HONEYWELL
PART NUMBER

21EN107-6

FAA-PMA

8



CIRCUIT DIAGRAM

REV	DOCUMENT	CHANGED BY	CHECK
25	0016179	DVM 24OCT05	RJ

SPECIFICATION DETAILS:

STANDARD:	CONFORMS TO MS24331-1 (MIL-PRF-8805/40), EXCEPT AS NOTED			
CONSTRUCTION:				
ENCLOSURE DESIGN	RESILIENT SEAL PER MIL-PRF-8805, SYMBOL 4			
CONTACT MATERIAL & CONFIGURATION	SMOOTH SILVER CONTACTS			
CIRCUIT CONFIGURATION	2SPDT			
TERMINATION	LEADWIRE PER MIL-W-22759/7			
WEIGHT	10.0 OZ MAX			
O-RING	SILICONE ELASTOMER			
EXPOSED METALS	CORROSION RESISTANT STAINLESS STEEL			
ELECTRICAL CHARACTERISTICS:				
ELECTRICAL RATINGS	VOLTAGE	RESISTIVE	LOAD INDUCTIVE	MOTOR
-SEA LEVEL	28 VDC	4A	2A	4A
-50,000 FEET	28 VDC	4A	2A	
DIELECTRIC STRENGTH & INSULATION RES	DIELECTRIC STRENGTH		INSULATION RESISTANCE	
	(≈ 60 Hz FOR 5 SECONDS)		(500 VDC ±10%)	
	1000 V Rms, 500 μ A (MAX LEAKAGE)		1000 Megohms MIN	
	1000 V Rms, 500 μ A (MAX LEAKAGE)		1000 Megohms MIN	
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL	1000 V Rms, 500 μ A (MAX LEAKAGE)		1000 Megohms MIN	
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS	1000 V Rms, 500 μ A (MAX LEAKAGE)		1000 Megohms MIN	
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000 V Rms, 500 μ A (MAX LEAKAGE)		1000 Megohms MIN	
SWITCH RESISTANCE	N/A			
RECOMMENDATION OR USE IN APPL LESS THAN .5 amps AND/OR 12 volts 				
MECHANICAL CHARACTERISTICS:				
COINCIDENCE OF OPERATING AND RELEASING POINTS	.010 OF PLUNGER TRAVEL			
OPERATING FORCE	6-12 LBS			
FULL OVERTRAVEL FORCE	30 LB MAX			
RELEASE FORCE	4 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 			
ELECTRICAL LIFE AT FULL RATED LOAD	25,000 MIN PER MIL-PRF-8805/40 			
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 I - 10-500 Hz & 10g PEAK			
MOISTURE RESISTANCE	PER MIL-PRF-8805 (10 DAYS TEST)			
THERMAL SHOCK	PER MIL-PRF-8805 (5 CYCLE TEST)			
SALT SPRAY	PER MIL-PRF-8805 (96 HOURS TEST)			

NOTES

- 1 NOT RECOMMENDED
- 2 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
- 3 - CIRCUIT DIAGRAM, CATALOG LISTING, DATE CODE FEDERAL MANUFACTURING CODE AND FAA-PMA ARE SHOWN ON NAMEPLATE
- 4 - REPLACEMENT LOCK RING-PACKET 15PA137
- 5 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
- 6 CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
- 7 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 21EN107-6 FOR FAA-PMA
- 8 WEIGHT 10.0 OZ MAX
- 9

DESIGN UNITS: INCH	DRAWN	TSM	OINOV00	Honeywell		
TOLERANCES UNLESS NOTED:	CHECK	SAV	OINOV00			
NO 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 SWITCH - ENCLOSED		
ONE PLACE .X ± .030						
TWO PLACE .XX ± .015						
THREE PLACE .XXX ± .005						
FOUR PLACE .XXXX ±						
ANGLES X ±	INTERPRET PER ANSI Y14.5M-1982 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SIZE C	TYPE I	DRAWING NAME 21EN107-6
THIRD ANGLE PROJECTION				SCALE 2:1		REV 25
	Pro/ENGINEER	2D		SHEET	I OF I	