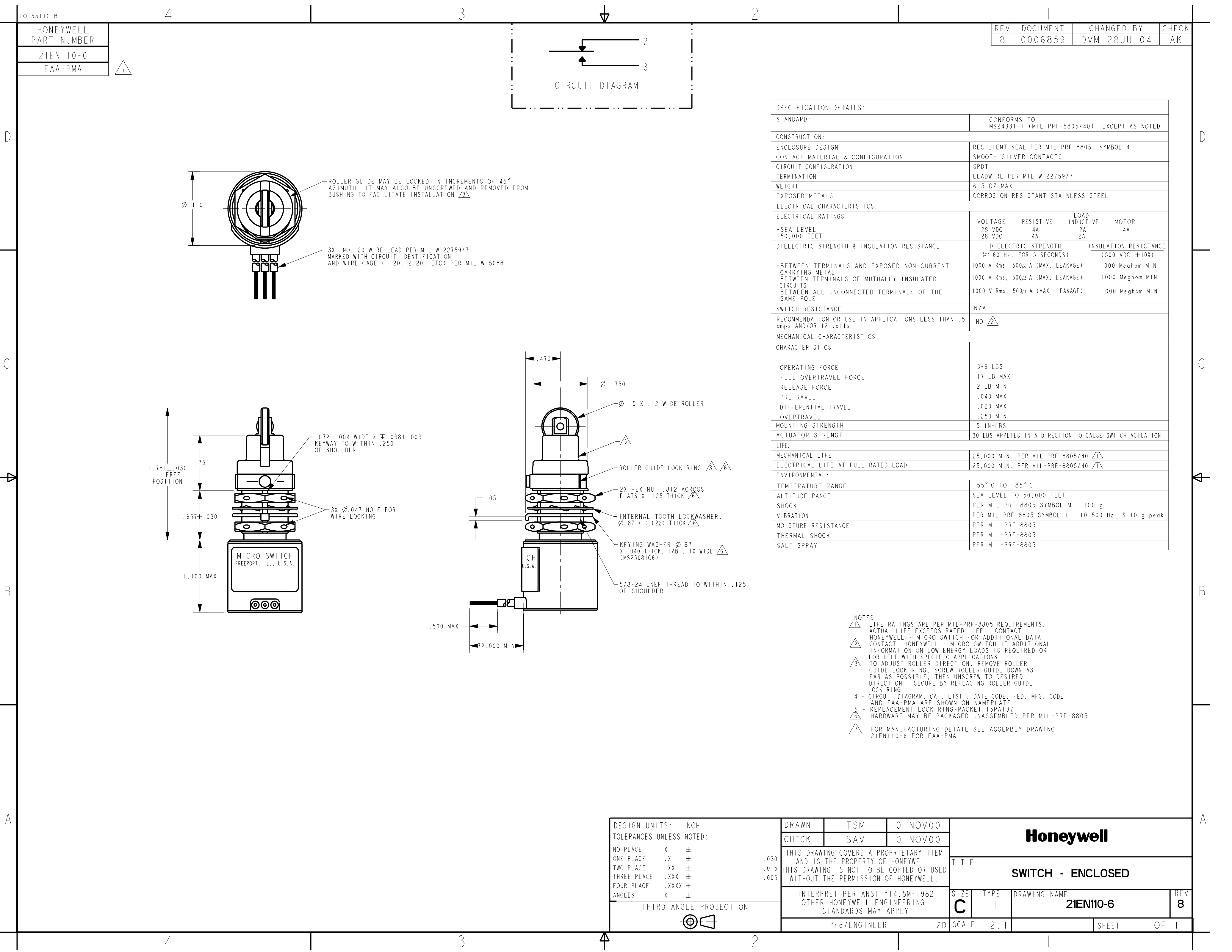




D

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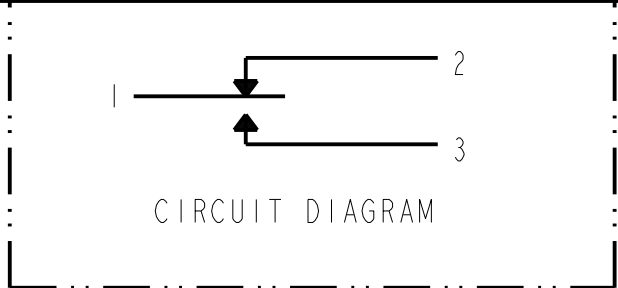
C

B

A

FO-55112-B

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:				
ENCLOSURE DESIGN		RESILIENT SEAL PER MIL-PRF-8805, SYMBOL 4		
CONTACT MATERIAL & CONFIGURATION		SMOOTH SILVER CONTACTS		
CIRCUIT CONFIGURATION		SPDT		
TERMINATION		LEADWIRE PER MIL-W-22759/7		
WEIGHT		6.5 OZ MAX		
EXPOSED METALS		CORROSION RESISTANT STAINLESS STEEL		
ELECTRICAL CHARACTERISTICS:				
ELECTRICAL RATINGS		VOLTAGE	RESISTIVE	LOAD INDUCTIVE
-SEA LEVEL		28 VDC	4A	2A
-50,000 FEET		28 VDC	4A	2A
DIELECTRIC STRENGTH & INSULATION RESISTANCE		DIELECTRIC STRENGTH ≈ 60 Hz. FOR 5 SECONDS		INSULATION RESISTANCE (500 VDC ±10%)
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL		1000 V Rms, 500μ A (MAX. LEAKAGE)		1000 Megohm MIN
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS		1000 V Rms, 500μ A (MAX. LEAKAGE)		1000 Megohm MIN
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE		1000 V Rms, 500μ A (MAX. LEAKAGE)		1000 Megohm MIN
SWITCH RESISTANCE		N/A		
RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts		NO 		
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 		
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 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
- LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. - CONTACT HONEYWELL - MICRO SWITCH FOR ADDITIONAL DATA
- CONTACT HONEYWELL - MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
- 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
- FOR MANUFACTURING DETAIL SEE ASSEMBLY DRAWING 21EN110-6 FOR FAA-PMA

DESIGN UNITS: INCH TOLERANCES UNLESS NOTED: NO PLACE X ± ONE PLACE .X ± TWO PLACE .XX ± THREE PLACE .XXX ± FOUR PLACE .XXXX ± ANGLES X ± THIRD ANGLE PROJECTION 	.030 .015 .005	DRAWN	TSM	01NOV00	Honeywell					
		CHECK	SAV	01NOV00						
		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				
		INTERPRET PER ANSI Y14.5M-1982 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY				SIZE C	TYPE I	DRAWING NAME 21EN110-6		REV 8
		Pro/ENGINEER 2D				SCALE 2:1		SHEET 1 OF 1		