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NOTES:

1. SWITCH TYPE: PLANAR, SPST, MOMENTARY, NORMALLY OPEN, CASE GROUND.

2. CHARACTERISTICS:

a) PHYSICAL

WEIGHT: 0.6 GRAMS MAXIMUM.

SWITCH IS HERMETICALLY SEALED; HELIUM LEAK RATE SHALL NOT EXCEED  $1 \times 10^{-6}$  SCCS  $H_2$  AT ONE(1) ATMOSPHERE.  
(GROSS LEAK SHALL BE PERFORMED)

CASE LEAD AND HEADER WELD STRENGTH: 5 POUNDS MINIMUM AXIAL PULL WITHOUT DAMAGE.

SOLDERABILITY PER MIL-STD-202, METHOD 208 LESS AGING.

LEAD FINISHES:

INSULATED LEAD- GOLD

CASE LEAD- TIN/LEAD

b) OPERATING

NO CLOSURE, STEADY ACCELERATION:

CONTACTS SHALL BE OPEN AT ANY ACCELERATION LESS THAN 80 g'S APPLIED IN ANY DIRECTION.

CLOSURE, STEADY:

CONTACTS SHALL BE CLOSED AT 200 g'S OR MORE APPLIED IN THE Z AXIS ACCELERATION SENSITIVE DIRECTION  $Z_s$

IMPACT ACTUATION (PENDULUM SHOCK TEST)

1.) CONTACTS SHALL NOT CLOSE WHEN SUBJECTED TO A HALF SINE, 7.0 MSEC DURATION INPUT PULSE WITH MAXIMUM PEAK OF 80 g'S APPLIED IN ANY DIRECTION.

2.) CONTACTS SHALL CLOSE WHEN SUBJECTED TO A HALF SINE, 7.0 MSEC DURATION INPUT PULSE WITH MINIMUM PEAK OF 200 g'S APPLIED IN THE Y AXIS ACCELERATION SENSITIVE DIRECTION  $Y_s$

OPERATING LIFE: 19 TEST OPERATIONS, 1 SERVICE OPERATION

STORAGE LIFE: 15 YEARS MINIMUM

3123-4-000

SHT. 2 OF 2

REVISIONS

ALT	DESCRIPTION	BY	CHK	ENG

c) ELECTRICAL

INSULATION RESISTANCE: 40 MEGOHMS MIN. @ 500 VDC

CONTACT RESISTANCE: 10.0 OHMS MAX. @ 160 g'S STEADY STATE

CURRENT CAPACITY: 1.0 AMP MAX. FOR 5 SEC. MAX.

d) ENVIRONMENTAL

TEMPERATURE RANGES:

OPERATING: -65°F TO +185°F.


NON-OPERATING: -65°F TO +221°F.

THERMAL SHOCK: MIL-STD 331, TEST 113

VIBRATION: LOWER OF,

5.0 +/- 0.5 (PEAK) OR 0.15 +/- 0.02 INCH DA,  
10- 2000HZ, S AXES, 30 MIN, EACH AXIS

SHOCK: 5500 +/- 500 g'S, 0.35 +/- 0.05 MSEC DURATION

ITEM	NO. REQ'D	PART NO.	DESCRIPTION	REMARKS	
BILL OF MATERIAL					
MATERIAL		TITLE			
FINISH		IMPACT SWITCH PLANAR NORMALLY OPEN			
		 45-3 KNICKERBOCKER AVE. BOHEMIA, N.Y. 11716			
DO NOT SCALE DRAWING REMOVE BURRS, BREAK SHARP EDGES TOLERANCES UNLESS SPECIFIED: 1/32 ANGLE 10:30° DEC: .00 ± .010 DEC: .000 ± .005		NO. REQ'D	N/A	NO. REQ'D	N/A
		SCALE: NONE			
		WEIGHT: NOTED			
		ISSUED	AMN	1/3/88	
		DESIGNED			
		DRAWN			
		CHECKED			
		APPROVED			
		DATE	SHEET	2 OF 2	
		DRAWING NO. 3123-4-000			
		REV			