

THIS DOCUMENT IS THE PROPERTY OF SELECT CONTROLS INCORPORATED AND IS CONVEYED WITH THE EXPRESS CONDITION THAT IT AND THE INFORMATION CONTAINED IN IT ARE NOT TO BE USED, DISCLOSED, OR REPRODUCED IN WHOLE OR IN PART, FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF SELECT CONTROLS INCORPORATED; AND THAT NO RIGHT IS GRANTED TO DISCLOSE OR SO USE ANY INFORMATION CONTAINED IN SAID DOCUMENT.

NOTES:

- SWITCH TYPE: UNIDIRECTIONAL, SPST, NORMALLY CLOSED, NON-LATCHING. (A)
- PHYSICAL CHARACTERISTICS

REF.	CHARACTERISTIC	REQUIREMENTS	TEST METHOD
2.1	WEIGHT	2.0 GRAMS MAX.	SCALE
2.2	SEAL a) HERMETIC b) GROSS	1X10 ⁻⁶ SCCS He@1ATM MAX.	MIL-STD-202 TEST METHOD 112, TEST CONDITION C, PROC.111A MIL-STD-750 METHOD 1071 TEST CONDITION D
2.3	TERMINAL STRENGTH	3 LBS. MIN.AXIAL PULL	MIL-STD-202,MTD 211, TEST CONDITION A
2.4	SOLDERABILITY	OMIT AGING	MIL-STD-202,MTD 208
2.5	MARKING	EPOXY INK UNIT IDENTIFICATION	VISUAL

3. OPERATING CHARACTERISTICS

REF.	CHARACTERISTIC	REQUIREMENTS
(A) 3.1	OPENING ACCELERATION THRESHOLD	CONTACTS SHALL BE CLOSED AT ANY ACCELERATION MORE THAN 2.6 G'S. CONTACTS SHALL BE OPEN AT 1.4 G'S OR LESS, APPLIED IN THE Z AXIS ACCELERATION SENSITIVE DIRECTION Z
3.2	OPERATING LIFE	500,000 OPERATIONS
3.3	STORAGE LIFE	15 YEARS MIN.


4. ELECTRICAL CHARACTERISTICS

REF.	CHARACTERISTIC	REQUIREMENTS	TEST METHOD
4.1	INSULATION RESISTANCE	30 MEGOHMS MIN. @ 500 VDC	MIL-STD- 202, MTD 302 TEST CONDITION B
4.2	CONTACT RESISTANCE	50 OHMS MAX. @ 1.0 MILLIAMPERES	
4.3	CURRENT	0.05 AMP CONTINUOUS	

5. ENVIRONMENTAL CAPABILITY

REF.	CHARACTERISTIC	TEST METHOD
5.1	OPERATING TEMPERATURE	-54°C TO +85°C, 2 HOUR MINIMUM SOAK
5.2	TEMPERATURE HUMIDITY CYCLING	MIL-STD-331, TEST 105.1 (4 DAY TOTAL)
5.3	VIBRATION	RANDOM ON RANDOM PER MIL-STD- 810E, TABLE 514.4-AX
5.4	SHOCK	HALF SINE SHOCK OF 80.0 G'S FOR 2.5 ms AND 50.0 G'S FOR 11.0 ms

MATERIAL -----
FINISH -----
DO NOT SCALE DRAWING REMOVE BURRS, BREAK SHARP EDGES.
TOLERANCE UNLESS SPECIFIED:
FRACT: ± 1/16 ANGLE ± 2
MACH FINISH: -- ✓ DEC: .00 ± .03
RMS DEC: .000 ± .010

ITEM NO.	NO. REQ'D	PART NO.	DESCRIPTION	REMARKS
BILL OF MATERIAL				
TITLE ACCELERATION SWITCH NORMALLY OPEN			 350 I CENTRAL AVE. BOHEMIA, N.Y. 11716	
NO. REQ'D	N/A	NO. REQ'D	N/A	SCALE: 4:1
				WEIGHT: NOTED
				DRAWN CHECKED: H.J.
				ENGINEER: 8-95
				APPROVED: 3036-2-000
				DATE: SHEET 1 OF 1

3036-2-000

REVISIONS				
ALT	DESCRIPTION	BY	CHK	ENG
A	SEE ECN 3036-2-000A	AHM 7/16/03		

