

THIS DOCUMENT IS THE PROPERTY OF SELECT CONTROLS INCORPORATED AND IS CONVERTED WITH THE EXPRESS CON-
 NOTION 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 EX-
 PRESS WRITTEN CONSENT OF SELECT CONTROLS INCORP-
 ORATED; AND THAT NO RIGHT IS GRANTED TO DISCLOSE OR
 SO USE ANY INFORMATION CONTAINED IN SAID DOCUMENT.

- NOTES:
 1. SWITCH TYPE: UNIDIRECTIONAL, SPST, NORMALLY OPEN, NON-LATCHING.
 2. PHYSICAL CHARACTERISTICS

| REF. | CHARACTERISTIC | REQUIREMENTS | TEST METHOD |
|------|---------------------------------|--|--|
| 2.1 | WEIGHT | 6.0 GRAMS MAX. | SCALE |
| 2.2 | SEAL a) HERMETIC b) GROSS | 1X10 ⁻⁵ ATM CM 3/5 | MIL-STD-202G METHOD 112E TEST CONDITION A |
| 2.3 | TERMINAL STRENGTH | 3 LBS. MIN. AXIAL PULL | MIL-STD-202, MTD 211, TEST CONDITION C |
| 2.4 | SOLDERABILITY | | MIL-STD-202, MTD 208, EXCEPT AGING |
| 2.5 | LEADS | INSULATED-GOLD PLATED CASE-TIN/LEAD | CERTIFICATION |

3. OPERATING CHARACTERISTICS

| REF. | CHARACTERISTIC | REQUIREMENTS |
|------|--|---|
| 3.1 | OPEN CONTACTS CONDITION | ON INCREASING ACCELERATION CONTACTS SHALL BE OPEN AT ANY CONSTANT ACCELERATION LESS THAN 2.0g. |
| 3.2 | CLOSED CONTACTS CONDITION | CONTACTS SHALL BE CLOSED AT CONSTANT ACCELERATIONS GREATER THAN 2.6g OR MORE, APPLIED IN THE SENSITIVE DIRECTION Zs |
| 3.3 | SHOCK ACTIVATION | SWITCH CONTACTS CLOSE WHEN SUBJECTED TO SHOCKS IN THE "MIST FIRE" ZONE OF FIGURE 7 OF EUROCAE ED-62 |
| 3.4 | CROSS AXIS ACCELERATION | SWITCH CONTACTS CLOSE WHEN OPERATED IN THE g SENSITIVE DIRECTION WITH 30g CROSS-AXIS APPLIED SIMULTANEOUSLY WITH 2.3g MINIMUM IN SENSITIVE DIRECTION. |
| 3.5 | DECREASING ACCELERATION RESPONSE | ON DECREASING ACCELERATION, CONTACTS SHALL BE OPEN AT ANY CONSTANT ACCELERATION LESS THAN 1.5g. |
| 3.6 | OPERATING LIFE | 1000 OPERATIONS MIN. |
| 3.7 | STORAGE LIFE | 15 YEARS MIN. |

3014-20-000
 A
 SHT. 2 OF 2

| REVISIONS | | | |
|-----------|---|---------------|---------|
| ALT | DESCRIPTION | BY | CHK ENG |
| A | REDRAWN SEE ECN3014-1-000A SHTS. 1&2 | AHN 6/4/88 | |

4. ELECTRICAL CHARACTERISTICS

| REF. | CHARACTERISTIC | REQUIREMENTS | TEST METHOD |
|------|------------------------------|--|-------------------------|
| 4.1 | INSULATION RESISTANCE | 30 MEGOHMS MIN. @ 500 VDC | MIL-STD-202, MTD 302 |
| 4.2 | CLOSED CONTACT RESISTANCE | 10 OHMS MAX. @ .100 AMP @ 2.3g MAX. | |

5. ENVIRONMENTAL CAPABILITY

| REF. | CHARACTERISTIC | TEST METHOD |
|------|--------------------------|------------------------|
| 5.1 | OPERATING TEMPERATURE | -65°F TO +180°F |
| 5.2 | TEMPERATURE/ HUMIDITY | MIL-STD-331, TEST 105. |

6. APPLICATION DESIGNED FOR ELT APPLICATION.

| | | | | | | | |
|---|--|------------------|--|--|--|--|--|
| MATERIAL | | PART NO. | | DESCRIPTION | | REMARKS | |
| FINISH | | BILL OF MATERIAL | | TITLE | | 45-3 KNICKERBOCKER AVE. BOHEMIA, N.Y. 11716 | |
| DO NOT SHAPE DRAWING REMOVE BURRS, BREAK SHARP EDGES TOLERANCES UNLESS SPECIFIED DIMENSIONS ± .015 MATERIAL FINISH RMS | | N/A | | ACCELERATION SWITCH 2.3G, NORMALLY OPEN | | DRAWING NO. 3014-20-000 | |
| NOTED | | NOTED | | DATE | | SHEET 2 OF 2 | |
| REV | | REV | | DATE | | SHEET | |

