

INCH-POUND

MS27407E

18 April 2011

SUPERSEDING

MS27407D

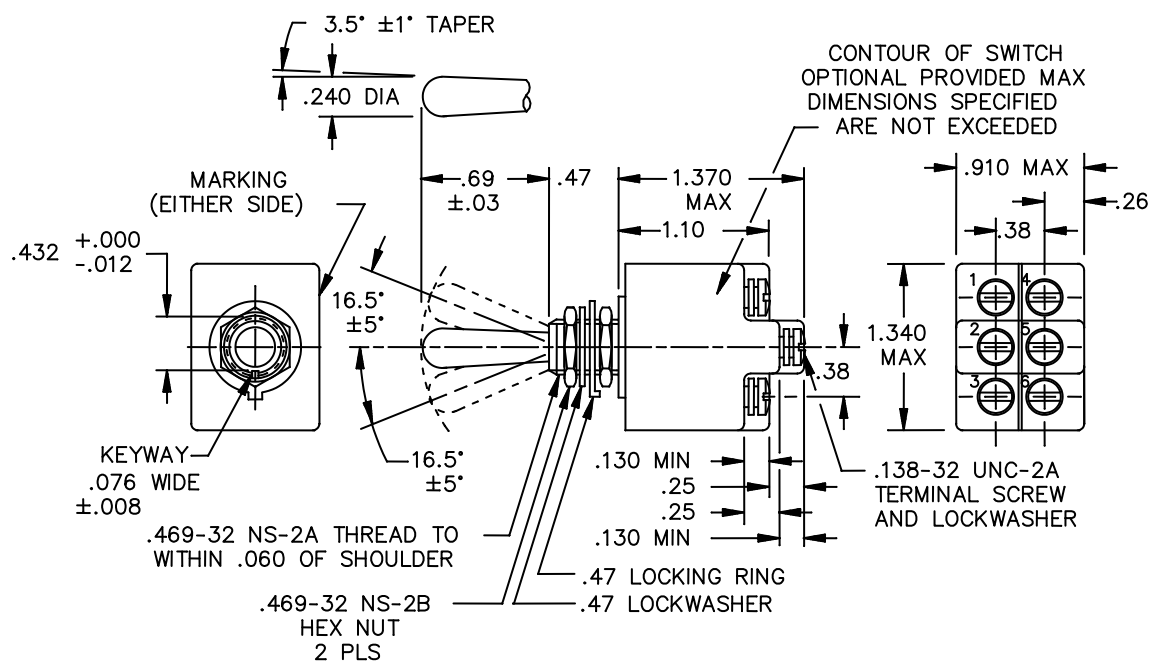
28 September 1987

DETAIL SPECIFICATION SHEET

SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the switch described herein shall consist of this specification and the latest issue of MIL-DTL-3950.

FIGURE1. Dimensions and configuration

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| Inches | mm | Inches | mm |
|--------|------|--------|-------|
| .005 | 0.13 | .26 | 6.6 |
| .008 | 0.20 | .38 | 9.7 |
| .012 | 0.30 | .432 | 10.97 |
| .020 | 0.38 | .47 | 11.9 |
| .03 | 0.8 | .69 | 17.5 |
| .060 | .51 | .910 | 23.11 |
| .076 | 1.93 | 1.10 | 27.9 |
| .130 | 3.30 | 1.340 | 34.04 |
| .240 | 6.10 | 1.370 | 34.80 |
| .25 | 6.4 | | |

NOTES:

1. Dimensions are inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .020$ (0.51 mm) for two place decimals and $\pm .005$ (0.13 mm) for three place decimals.
4. For hardware and terminal screw detail specifications, see appendix of MIL-DTL-3950.
5. In event of a conflict between the text of this standard and the reference cited herein, the text of this standard shall take precedence.

FIGURE1. Dimensions and configuration- Continued

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REQUIREMENTS

All switches on this standard are designed so that the movement of the switch mechanism is opposite to that of the toggle lever

Maximum weight is 0.20 pound.

Electrical rating: See table I.

TABLE I Detail Requirements.

| MS part number | Circuit with toggle lever in | | | Current capacity (amperes) 28 volts DC | | | Current capacity (amperes) 115 volts, 60 and 400 hertz ac | | |
|----------------|------------------------------|------------|----------------------|--|-------------------|-------------------|---|-------------------|-------------------|
| | Keying side | Center | Opposite keying side | Lamp-load circuit | Resistive circuit | Inductive circuit | Lamp-load circuit | Resistive circuit | Inductive circuit |
| MS27407-1 | 1-2 On 4-5 | 2-3 On 4-5 | 2-3 On 5-6 | 7 | 20 | 15 | 4 | 15 | 15 |
| MS27407-2 | Mom. 1-2 On 4-5 | 2-3 On 4-5 | 2-3 On 5-6 | 5 | 18 | 10 | 2 | 11 | 8 |
| MS27407-3 | Mom. 1-2 On 4-5 | 2-3 On 4-5 | Mom. 2-3 On 5-6 | | | | | | |
| MS27407-4 | 1-2 On 4-5 | 1-2 On 5-6 | 2-3 On 5-6 | 7 | 20 | 15 | 4 | 15 | 15 |
| MS27407-5 | Mom. 1-2 On 4-5 | 1-2 On 5-6 | 2-3 On 5-6 | 5 | 18 | 10 | 2 | 11 | 8 |
| MS27407-6 | Mom. 1-2 On 4-5 | 1-2 On 5-6 | Mom. 2-3 On 5-6 | | | | | | |

Referenced documents

MIL-DTL-3950

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:

Army – CR
Navy – AS
Air Force – 85
DLA – CC

Preparing activity

DLA – CC

(Project 5930-2011-051)

Review activities

Army – AR, AV, MI
Navy – EC, MC
Air Force – 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil/>.