

DETAIL SPECIFICATION SHEET

SWITCH, TOGGLE, POSITIVE BREAK, SPECIAL CIRCUIT, MINIATURE TOGGLE
 SEALED, SOLDER LUG, SINGLE POLE, .469 MOUNTING BUSHING

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

The requirements for acquiring the products described herein shall consist of this specification sheet and MIL-DTL-8834.

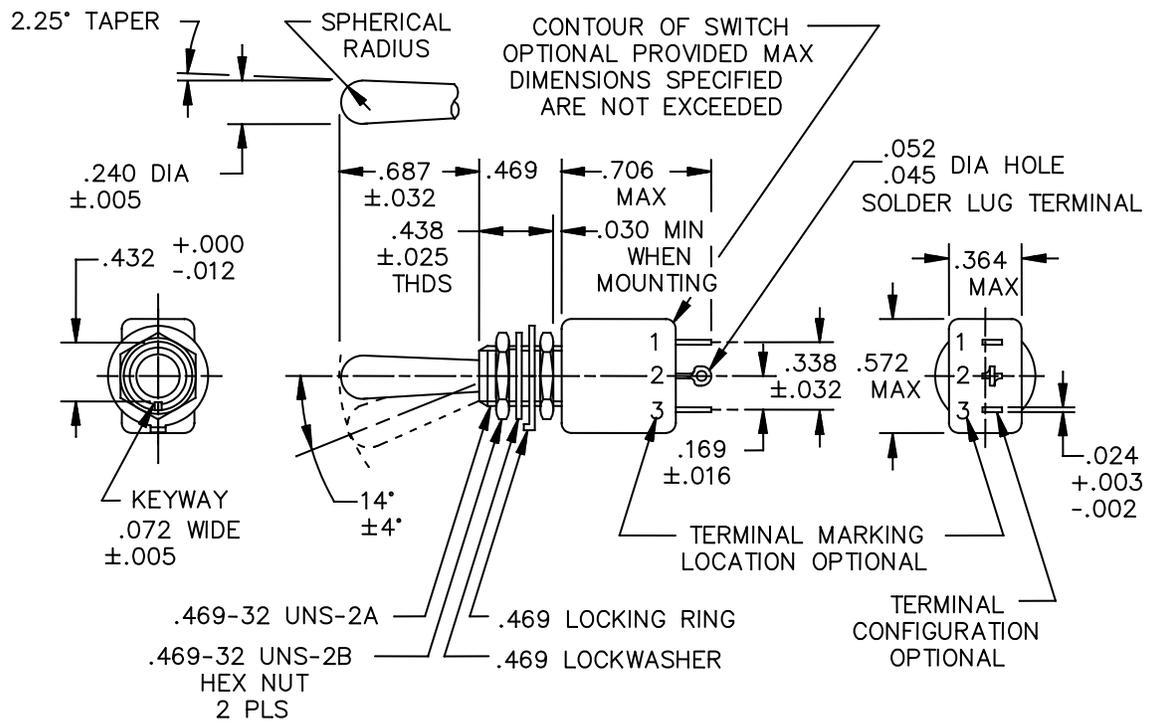


FIGURE 1. Dimensions and configuration.

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Inches	mm	Inches	mm	Inches	mm
.002	0.05	.032	0.81	.364	9.25
.003	0.08	.045	1.14	.432	10.97
.005	0.13	.052	1.32	.438	11.13
.010	0.25	.072	1.83	.469	11.91
.012	0.30	.169	4.29	.572	14.53
.016	0.41	.240	6.10	.687	17.45
.024	0.61	.338	8.59	.706	17.93
.025	0.64	.351	8.92		
.030	0.76				

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.010 (0.25 mm) on decimals and $\pm 5^\circ$ on angles.

FIGURE 1. Dimensions and configuration - Continued.

REQUIREMENTS:

For hardware detail specifications, see appendix of MIL-DTL-8834.

In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

Shock: Method I and method II (high impact). The switch shall be electrically and mechanically operative at the conclusion of the shock test except there can be mechanical transfer of the contact mechanism at all levels when tested in accordance with method II (high impact).

Toggle seal test: Method II.

Weight: .0429 pound maximum (19.4 grams).

Strength of terminals: 5 pounds pull perpendicular to mounting plane and 2 pounds in other planes.

Dielectric withstanding voltage: 1,200 V rms at sea level.

Altitude: 50,000 feet.

115 V ac, 60 hertz electrical endurance tests are to performed at room temperature and pressure.

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TABLE I. Detail requirements.

MS dash no <u>1/</u>	Circuit made between terminals as indicated with the toggle lever in these positions: <u>2/</u>			Current capacity in amperes						Life low current level switching 5 mV
				Resistive load			Inductive load			
				28 volts dc	115 volts		28 volts dc	115 volts		
60 Hertz ac	400 Hertz ac	60 Hertz ac	400 Hertz ac							
-321	None	2-3 on	1-2 mom-on	5	2	3	1 <u>3/</u>	1	2	25 μ A <u>4/</u>

- 1/ Delayed action of the switch toggle lever may cause circuit to close or open before snap action mechanism trips.
- 2/ Direction of movement of internal mechanism is opposite to the direction of the toggle movement.
- 3/ With time constant of .020 \pm .002 second.
- 4/ Contact resistance not to exceed 50 Ω during life, low current level switching.

Referenced documents:
MI-DTL-8834

Changes from previous issue. 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 5930-2011-075)

Review activities:
Army - AR, MI
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/>.