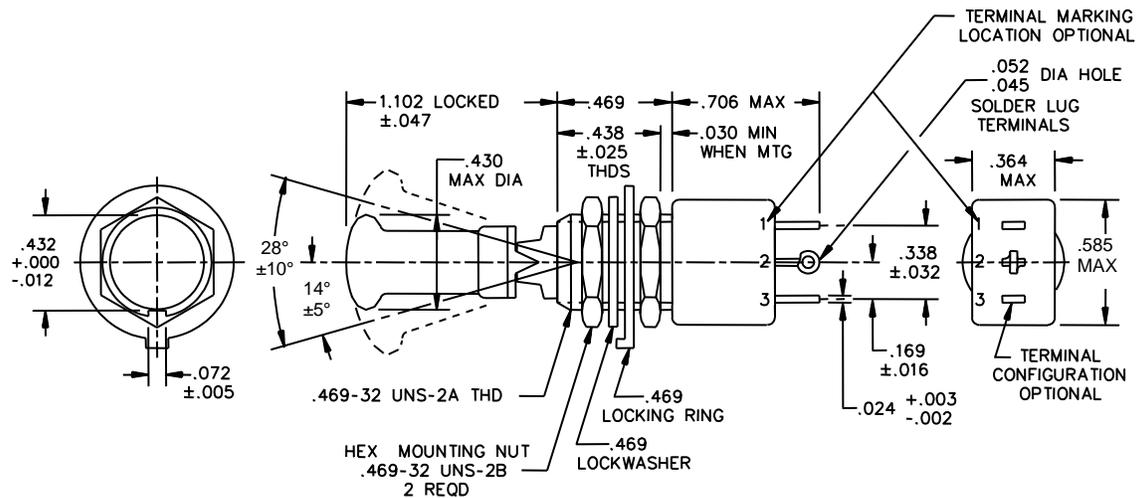


DETAIL SPECIFICATION SHEET

SWITCH, TOGGLE, POSITIVE BREAK,
 LEVER LOCK, 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.

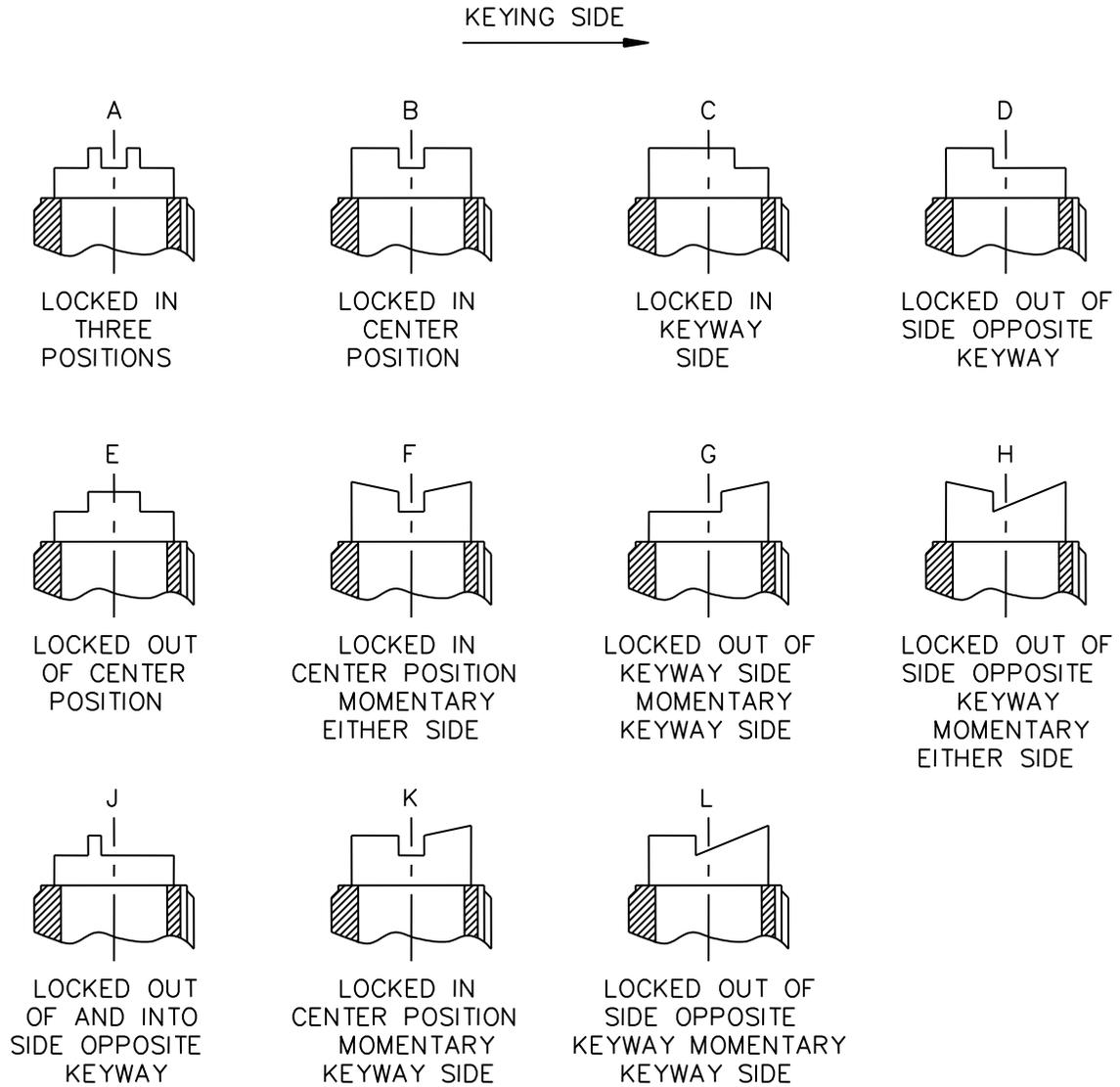
The complete requirements for acquiring the switch described herein shall consist of this specification and the latest issue of MIL-DTL-8834.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ±.010 for decimals and ±.5° for angles.
4. For hardware detail specification, see appendix of MIL-DTL-8834.

FIGURE 1. Switches with .469 inch mounting bushing.



FIGURES A THRU L ILLUSTRATE THE LOCKING AND MOMENTARY CONFIGURATION AND NOT THE DETAIL CONSTRUCTION OF THE LOCKING DESIGN

FIGURE 2. Lever locking configurations.

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REQUIREMENTS:

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

Referenced Government documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

Shock: Method I and method II (high impact) of MIL-STD-202, method 207. 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.

Strength of terminals: Five pounds normal to the mounting plane and 2 pounds in other planes.

Altitude: 50,000 feet:

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

Maximum weight: .066 pound (29.9 grams).

Unlocking force: 4 ± 1 pound.

Configuration of switch case housing, terminals and barriers. Design optional providing maximum dimensions specified are not exceeded.

Part or Identifying Number (PIN) shall consist of MS number, locking combination letter, and dash number.

Example part number:

MS21436-B211: Toggle sealed, on-off-on, locked in center position.

MS21436-K281: Toggle sealed, none-off-momentary on, locked in center position.

MS dash no	Locking comb	Circuit made between terminals as indicated with the toggle lever in these positions: 1/			Current capacity in amperes						Life low current level switching 5 mV								
					Resistive load			Inductive load											
		Opposite keyway side 4/	Center position	Keyway side 4/	28 volts dc	115 volts		28 volts dc	115 volts										
60 Hertz ac	400 Hertz ac					60 Hertz ac	400 Hertz ac												
-211	A, B, D	on 2-3	off	on 1-2	5	3	2	1	1	2	25 µA								
-221	C, E		none	off															
-231			on 1-2																
-241	J, B		off	none															
-271	F, H	mom-on 2-3	off	mom-on 1-2										2/					
-281	K	none																	
-311	G, K, L	on 2-3																	

1/ Direction of movement of internal mechanism is opposite to the direction of the toggle movement.

2/ With time constant of .020 ± .002 seconds.

3/ Contact resistance not to exceed 50 ohms during life, low current level switching.

4/ Non-functional terminals shall not be supplied.

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Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where modifications from this amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Referenced documents. In addition to MIL-DTL-8834, this document references MIL-STD-202.

Custodian:

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

Preparing activity:

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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.dla.mil/>