

INCH-POUND

MS25127L
15 December 2005
SUPERSEDING
MS25127K
15 November 1980

DETAIL SPECIFICATION SHEET

SWITCHES, TOGGLE, UNSEALED AND SEALED TOGGLE GENERAL SPECIFICATION FOR

INACTIVE FOR NEW DESIGN AFTER 16 SEPTEMBER 1969

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-83731.

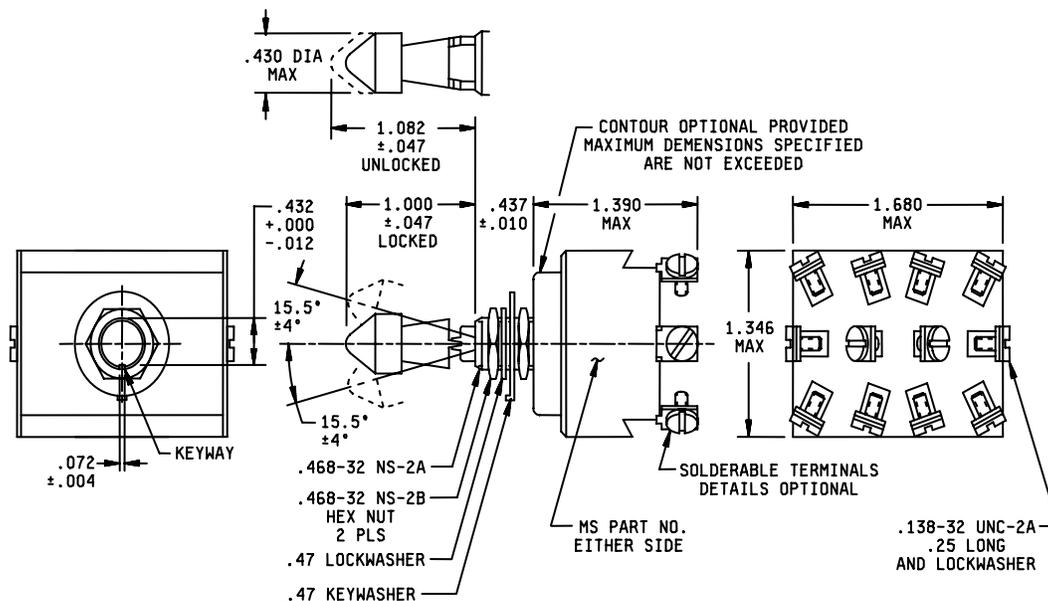


FIGURE 1 Dimensions and configurations

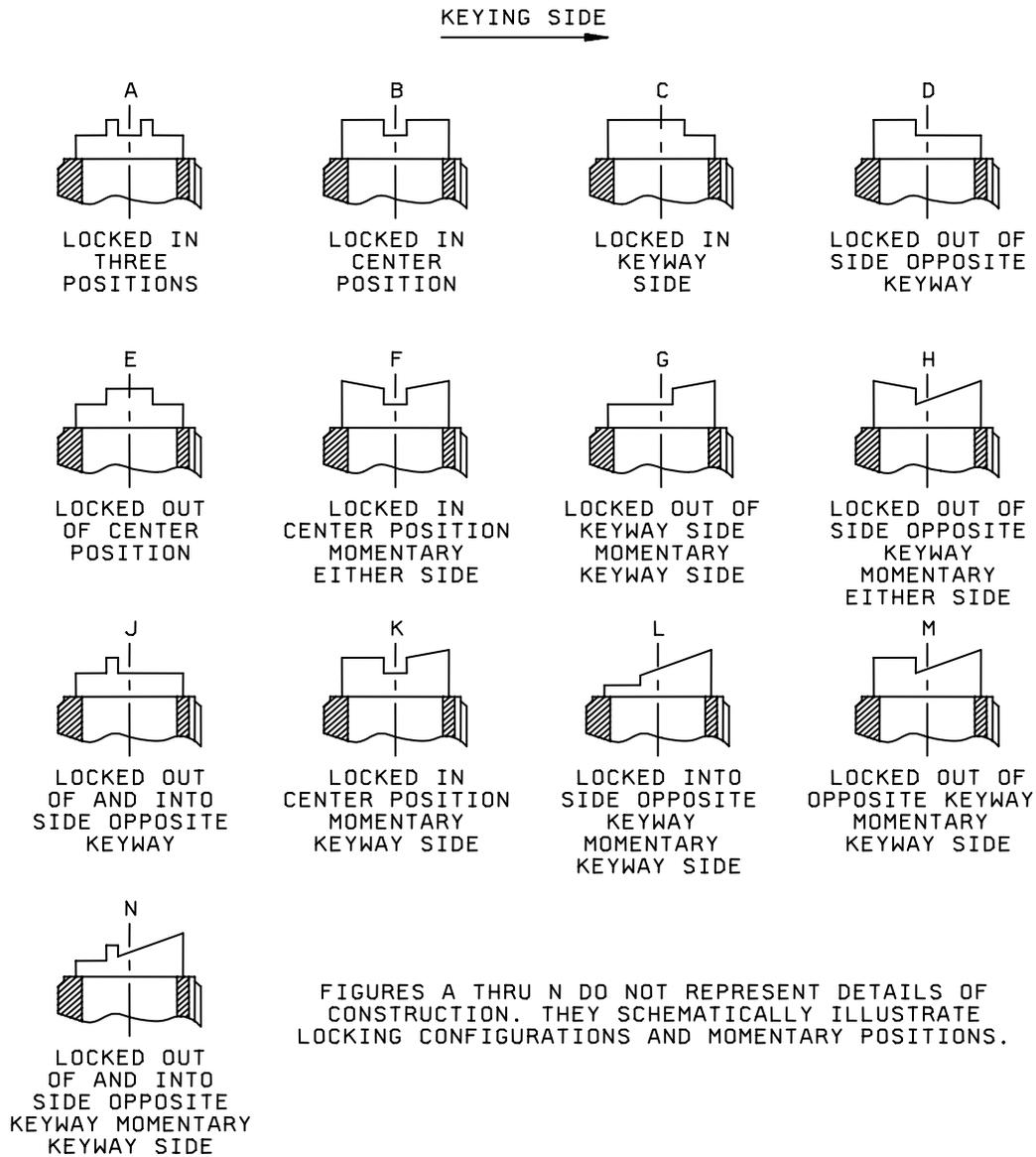


FIGURE 1 Dimensions and configurations Continued

NOTES:

1. All dimensions are in inches.
2. For hardware and terminal screw detail specifications see supplement of MIL-DTL-83731.
3. Unless otherwise specified, tolerance is $\pm .020$ on two place decimals and $\pm .005$ on three place decimals.
4. Example of part NO. MS25127-B1-On, off, on, toggle seal, locked in center position.
5. Locking means optional.
6. For design feature purposed, this standard takes precedence over procurement documents referenced herein.

MS25127L

REQUIREMENTS:

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

Locking Arrangement: Positive locking shall be accomplished and shall prevent motion of the toggle lever until the locking mechanism is manually released.

The force required to release the locking mechanism shall be 3 to 5 pounds.

Maximum weight is .19 lb.

Electrical Endurance: 10,000 Cycles.
 Mechanical Endurance: 20,000 Cycles

Referenced documents shall be of the issue in effect on the date of invitation for bid.

Electrical rating: Table I

Table I Detail Requirement

MS part No.	Former Ms Part No.	Circuit with Toggle Lever In			Current Capacity (Amperes Per Pole)					
					28 Volts Direct current			115 Volts Alternating Current 400 Hertz		
		Opposite keying side	center	Keying side	Lamp-load Circuit	Resistive circuit	Inductive Circuit	Lamp-load Circuit	Resistive circuit	Inductive Circuit
MS25127-1	A,B,C,D, E	On	Off	On	5	20	12	4	20	15
MS25127 -2	C,E		None	Off						
MS25127-3				On						
MS25127-4	B,J		Off	None						
MS25127-5	L		Mom. Off							
MS25127-6			None							
MS25127-7	F,H	Mom-On	Off	Mom. On	4	18	10	2	11	5
MS25127-8	K	None								
MS25127-9	L	On	None	Mom. Off	5	20	12	4	20	15
MS25127-10		Off								
MS25127-11	G,K,M,N	On	Off	Mom. On	4	18	10	2	11	5

Referenced documents
MIL-DTL-83731

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 – 11
DLA – CC

Preparing activity:
DLA – CC
Project (5930-2005-013)

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 <http://assist.daps.dla.mil/>.