

INCH-POUND

MS25201L
w/Amendment 1
5 April 2010

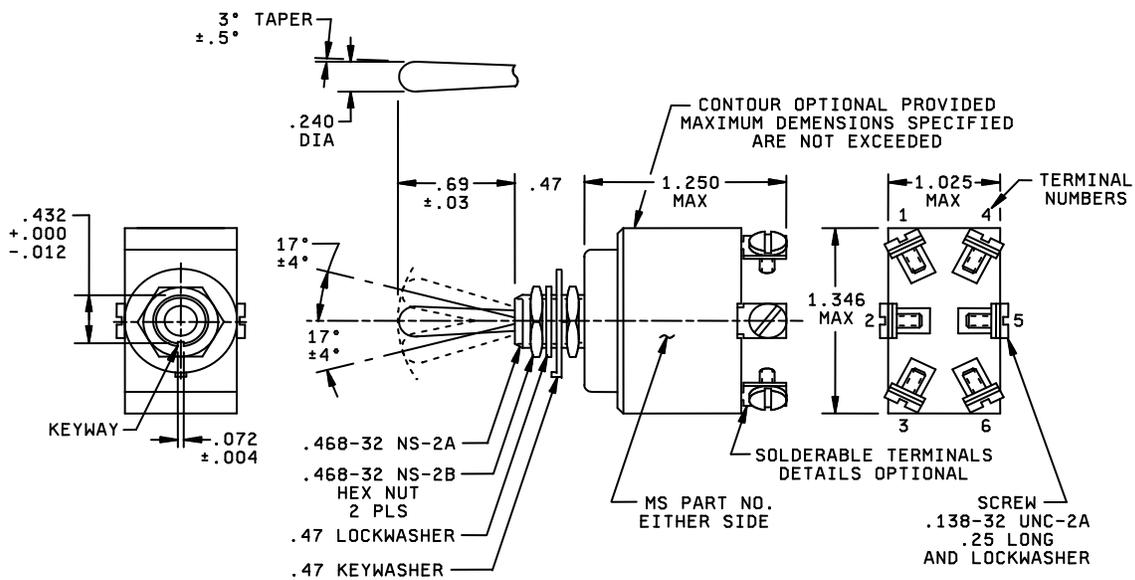
SUPERSEDING
MS25201L
15 December 2005

DETAIL SPECIFICATION SHEET

SWITCH, TOGGLE, TWO POLE, SEALED TOGGLE

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.



NOTES:

1. All Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± .02 on two place decimals and ± .005 on three place decimals.
3. For hardware and terminal screw detail specifications see supplement of MIL-DTL-83731.
4. For design feature purposes, this standard takes precedence over procurement documents referenced herein

FIGURE1. Dimensions and configuration

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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 .10 pounds.

Not to be used for transferring phase exceeding 115 volts line to line.

All switches on this standard shall have an electrical endurance test life of 10,000 cycles and a mechanical endurance test life of 20,000 cycles.

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

Dash numbers 1, 2, and 3 have been used to designate two different circuit arrangements. Prior to revision C this standard covered only 2-3, 4-5 center off positions. With revision C, these center off positions were deleted entirely and 2-1, 5-6 center off positions adopted without change in dash numbers. The latter arrangement was continued through revision D.

TABLE I: Detail Requirements

MS Part NO.	Circuit With Toggle Lever In			Current Capacity(Amperes per Pole)							
				Direct current				Alternating Current (400 & 60 Hertz)			
	Keying Side	Center	Opposite Keying Side	Continuous	Lamp-load circuit	Resistive circuit	Inductive circuit	Continuous	Lamp-load circuit	Resistive circuit	Inductive circuit
			28 Volts	28 Volts	28 Volts	28 Volts	115 Volts	115 Volts	115 Volts	115 Volts	
MS25201-4	On 1-2 4-5	On 2-1 5-6	On 2-3 5-6	--	5	18	10	--	2	11	8
MS25201-5	Mom-On 1-2 4-5	On 2-1 5-6	On 2-3 5-6								
MS25201-6	Mom-On 1-2 4-5	On 2-1 5-6	Mom-On 2-3 5-6								
MS25201-7	On 1-2 4-5	On 2-3 4-5	On 2-3 5-6								
MS25201-8	Mom- On 1-2 4-5	On 2-3 4-5	On 2-3 5-6								
MS25201-9	Mom-On 1-2 4-5	On 2-3 4-5	Mom-On 2-3 5-6								

Referenced documents
MIL-DTL-83731

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.

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

Preparing activity
DLA – CC
(Project 5930-2010-024)

Review activities
Army – AV
Navy – EC
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/> .