

INCH-POUND

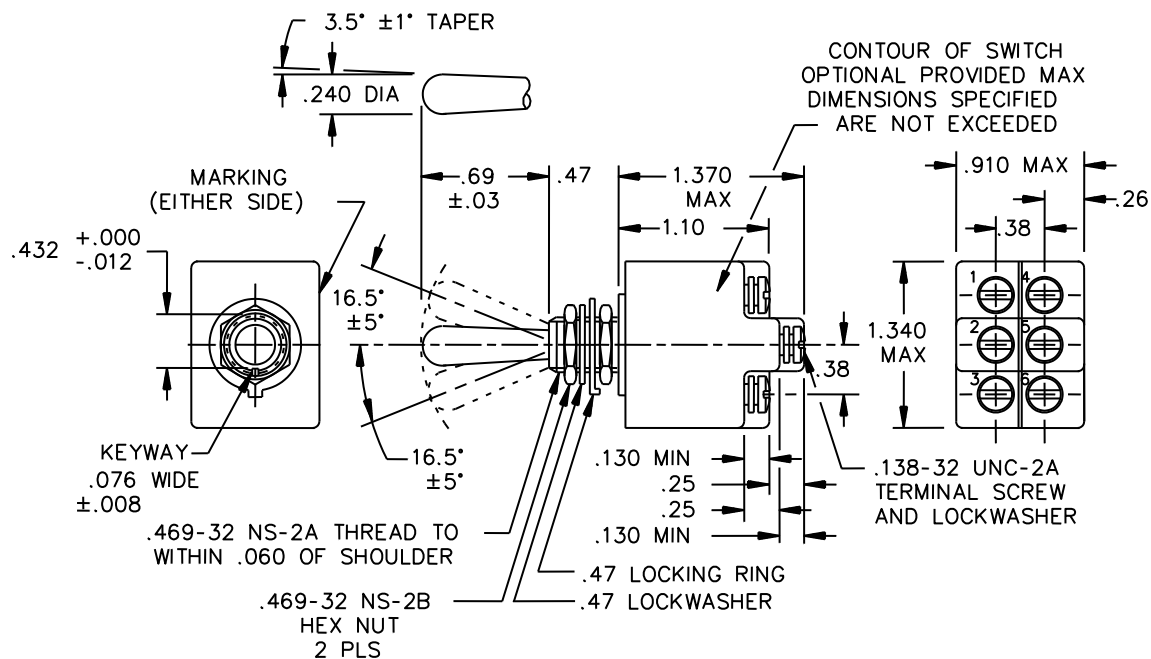
MS24524L
29 September 2021
SUPERSEDING
MS24524K
18 April 2011

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](#).



NOTES:

1. Dimensions are inches.
2. Unless otherwise specified, tolerance is $\pm .020$ (0.51 mm) for two place decimals and $\pm .005$ (0.13 mm) for three place decimals.
3. For hardware and terminal screw detail specifications, see appendix of MIL-DTL-3950.
4. 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.



MS24524L

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 .12 pound.

Thread length and hole depth should be such that screws will not bottom when tightened.

Electrical rating: See table I.

TABLE I Detail Requirements.

MS part No.	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	Resistiv e circuit	Inductive circuit	Lamp- Load circuit	Resistive circuit	Inductive circuit
MS24524-21	1-2 On 4-5	Off	2-3 On 5-6	7	20	15	4	15	15
MS24524-22	Off	None	2-3 On 5-6						
MS24524-23	1-2 On 4-5	None	2-3 On 5-6						
MS24524-24	None	Off	2-3 On 5-6						
MS24524-25	None	Mom. Off	2-3 On 5-6	5	18	10	2	11	8
MS24524-26	Mom. 1-2 On 4-5	None	2-3 On 5-6						
MS24524-27	Mom. 1-2 On 4-5	Off	Mom 2-3. On 5-6						
MS24524-28	Mom. 1-2 On 4-5	Off	None						
MS24524-29	Mom. Off	None	2-3 On 5-6						
MS24524-30	Mom. 1-2 On 4-5	None	Off						
MS24524-31	Mom. 1-2 On 4-5	Off	2-3 On 5-6						
MS24524-32	None	1-2 On 4-5	Mom. 2-3 On 5-6						
MS24524-33	None	1-2 On 4-5	2-3 On 5-6	7	20	15	4	15	15

Referenced documents

[MIL-DTL-3950](#)

The margins of this specification are marked with vertical lines to indicate where modifications from this revision 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 5930-2021-029)

Review activities

Army – AR, AV, MI
Navy – EC, MC

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/>.