

INCH-POUND

MS27736E  
w/AMENDMENT 1  
23 January 2014  
SUPERSEDING  
MS27736E  
18 April 2011

DETAIL SPECIFICATION SHEET

SWITCH, TOGGLE, FOUR POLE, ENVIRONMENTALLY SEALED, SOLDER TERMINAL

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.

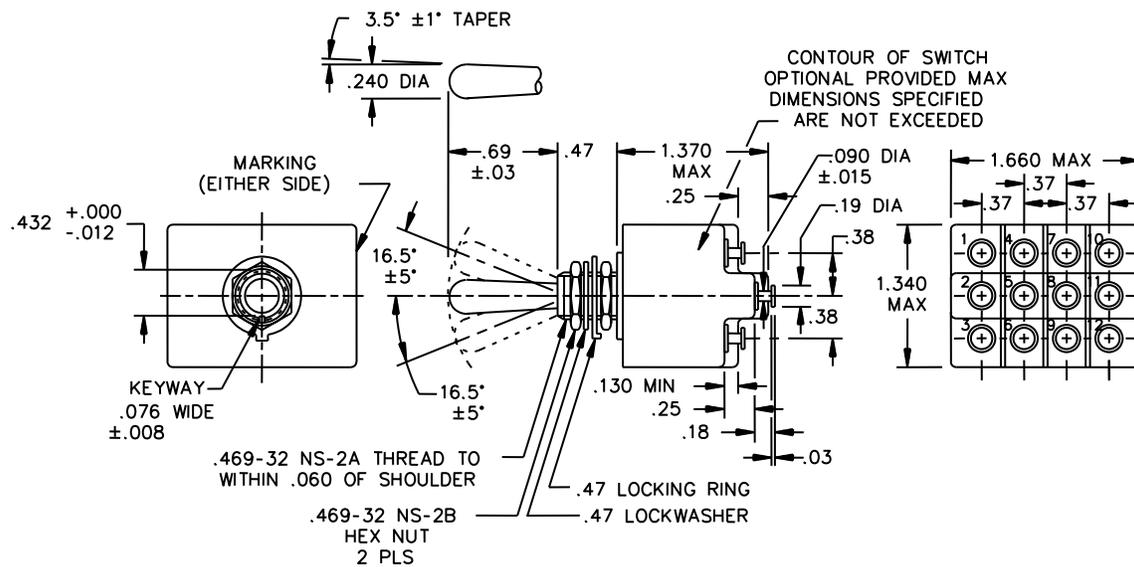


FIGURE1. Dimensions and configuration

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Inches	mm	Inches	mm
.008	0.20	.37	9.4
.012	0.30	.38	9.7
.015	0.38	.432	10.97
.03	0.8	.469	11.91
.076	1.93	.47	11.9
.090	2.29	.69	17.5
.130	3.30	1.340	34.04
.19	4.8	1.370	34.80
.240	6.10	1.660	42.16
.25	6.4		

NOTES:

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

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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 0.20 pound.

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	Resistive circuit	Inductive circuit	Lamp-Load circuit	Resistive circuit	Inductive circuit
MS27736-1	1-2 4-5 7-8 On 10-11	2-3 4-5 7-8 On11-12	2-3 5-6 8-9 On 11-12	5	20	12	4	15	15
MS27736-2	1-2 Mom. 4-5 7-8 On 10-11	2-3 4-5 7-8 On11-12	2-3 5-6 8-9 On 11-12	4	18	10	2	11	8
MS27736-3	1-2 Mom. 4-5 7-8 On 10-11	2-3 4-5 7-8 On11-12	2-3 Mom.5-6 8-9On11-126						
MS27736-21	1-2 4-5 7-8 On 10-11	Off	2-3 8-9 5-6 On 11-12	5	20	12	4	15	15
MS27736-22	Off	None	2-3 8-9 5-6 On 11-12						
MS27736-23	1-2 7-8 4-5 On 10-11	None	2-3 8-9 5-6 On 11-12						
MS27736-24	None	Off	2-3 8-9 5-6 On 11-12	4	18	10	2	11	8
MS27736-25	None	Mom. Off	2-3 8-9 5-6 On 11-12						
MS27736-26	1-2 Mom. 7-8 4-5 On 10-11	None	2-3 8-9 5-6 On 11-12						
MS27736-27	1-2 Mom. 7-8 4-5 On 10-11	Off	2-3 Mom. 8-9 5-6 On 11-12						
MS27736-28	1-2 Mom. 7-8 4-5 On 10-11	Off	None						
MS27736-29	Mom. Off	None	2-3 8-9 5-6 On 11-12	5	20	12	4	15	15
MS27736-30	1-2 Mom. 7-8 4-5 On 10-11	None	Off						
MS27736-31	1-2 Mom. 7-8 4-5 On 10-11	Off	2-3 8-9 5-6 On 11-12						
MS27736-32	None	1-2 7-8 4-5 On10-11	2-3 Mom. 8-9 5-6 On 11-12	5	20	12	4	15	15
MS27736-33	None	1-2 7-8 4-5 On10-11	2-3 8-9 5-6 On 11-12						

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Referenced documents  
MIL-DTL-3950

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 5930-2011-137)

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 <https://assist.dla.mil/> .