

User activity: Air Force - 11

 Review activities: Army - AV  
 Navy - EC  
 Air Force - 99  
 DLA - ES

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

P A Air Force - 85 Other Cust Army - ER Navy - AS		International Interest	TITLE SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED, SOLDER TERMINAL	MILITARY STANDARD <b>MS27735</b>
Procurement Specification MIL-S-3950		SUPERSEDES		PAGE 1 OF 3

  

MARKING (EITHER SIDE)  
 432+000  
 -012  
 076±008  
 KEYWAY

3.5° ±1°  
 TAPER  
 240 DIA

16.5° ±5°  
 16.5° ±5°  
 47  
 .69 ±.03  
 1370 MAX  
 25  
 130 MIN  
 .25  
 .03  
 .18  
 .090 ±.015 DIA  
 1.340 MAX  
 .38  
 .38  
 .19 DIA  
 910 MAX  
 .26  
 .38

CONTOUR OF SWITCH OPTIONAL  
 PROVIDED MAX DIMENSIONS  
 SPECIFIED ARE NOT EXCEEDED

.469-32 NS-2A THREAD TO  
 WITHIN .060 OF SHOULDER  
 HEX NUT .469-32 NS-2B  
 2 REQUIRED  
 .47 LOCKWASHER  
 .47 LOCKING RING

(D) Denotes changes

 FED. SUP CLASS  
 5930

 APPROVED 16 Dec 1969  
 REVISED (A) 15 Sep 1970 (B) 15 May 1972 (C) 25 Apr 1975 (D) 28 Sep 1987

 DD FORM 672  
 1 MAY 73

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AMSC N/A

DISTRIBUTION STATEMENT A

Approved for public release, distribution is unlimited.

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Inches	mm	Inches	mm
.008	0.20	.25	6.4
.012	0.30	.26	6.6
.015	0.38	.38	9.7
.03	0.8	.432	10.97
.076	1.93	.469	11.91
.090	2.29	.47	11.9
.130	3.30	.69	17.5
.18	4.6	.910	23.11
.19	4.8	1.340	34.04
.240	6.10	1.370	34.80

## 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 4. For hardware detail specifications, see appendix of MIL-S-3950.
5. All switches on this standard are designed so that the movement of the switch mechanism is opposite to that of the toggle lever.
6. Maximum weight is 0.12 pound.
- ⑦ 7. In the event of a conflict between the text of this standard and the reference cited herein, the text of this standard shall take precedence.
- ⑧ 8. Referenced Government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation form a part of this standard to the extent specified herein.

APPROVED 16 Dec 1969 REVISED ④ For change see page 2

P A Air Force - 85 Other Cust Army - ER Navy - AS	International Interest	TITLE  SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED, SOLDER TERMINAL	MILITARY STANDARD  <b>MS27735</b>
Procurement Specification MIL-S-3950		SUPERSEDES	PAGE 2 OF 3

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Air Force - 85 Other Cust Army - ER Navy - AS			SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED, SOLDER TERMINAL		MS27735	
Procurement Specification MIL-S-3950			SUPERSEDES			PAGE 3 OF 3
Detail requirements:						
MS part number	Circuit with toggle lever in			Current capacity (amperes)		
	Keying side	Center	Opposite keying side	Lamp-load circuit	Resistive circuit	Inductive circuit
MS27735-1	1-2 On 4-5 Mom.	1-2 On 5-6	2-3 On 5-6	7	20	15
MS27735-2	1-2 on 4-5 Mom.	1-2 On 5-6	2-3 On 5-6	5	18	10
MS27735-3	1-2 on 4-5 Mom.	1-2 On 5-6	2-3 on 5-6			
MS27735-21	1-2 On 4-5	Off	2-3 On 5-6			
MS27735-22	Off	None	2-3 On 5-6			
MS27735-23	1-2 On 4-5	None	2-3 On 5-6	7	20	15
MS27735-24	None	Off	2-3 On 5-6			
MS27735-25	None	Mom. off	2-3 On 5-6			
MS27735-26	1-2 on 4-5 Mom.	None	2-3 On 5-6			
MS27735-27	1-2 on 4-5 Mom.	Off	2-3 on 5-6			
MS27735-28	1-2 on 4-5 Mom.	Off	None			
MS27735-29	Mom. off	None	2-3 On 5-6	5	18	10
MS27735-30	1-2 on 4-5 Mom.	None	Off			
MS27735-31	1-2 on 4-5 Mom.	Off	2-3 On 5-6			
MS27735-32	None	1-2 On 4-5	2-3 on 5-6			
MS27735-33	None	1-2 On 4-5	2-3 On 5-6	7	20	15

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