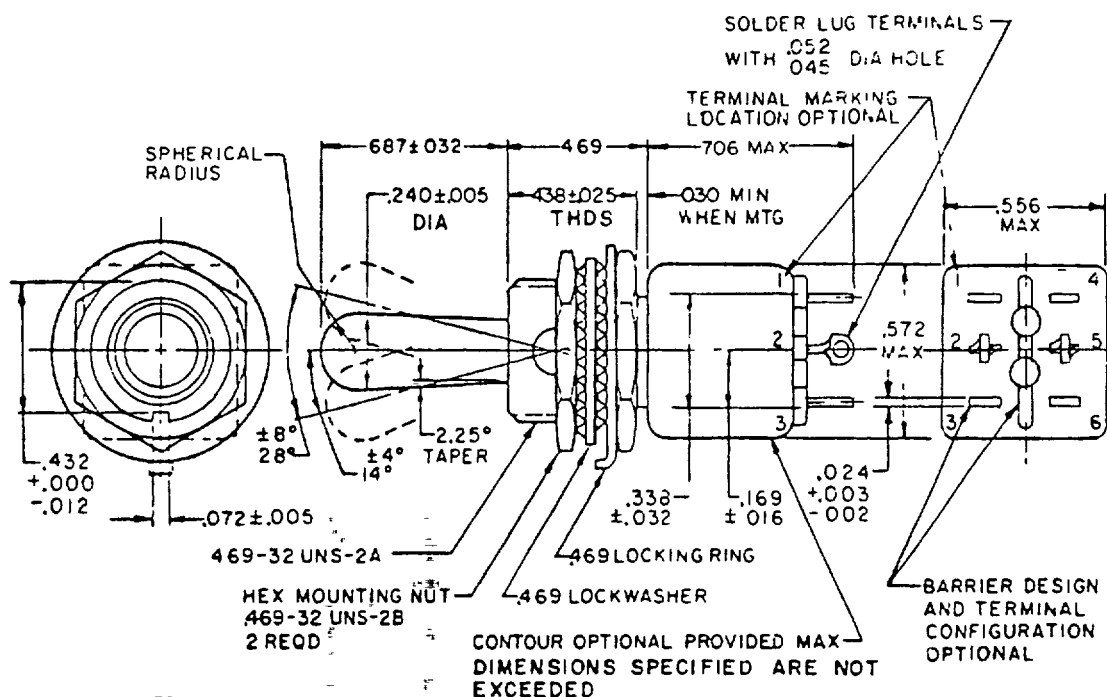


User activities  
Army - MI, AT  
Navy -  
Air Force -

Review activities  
Army - AR, AV  
Navy - EC  
Air Force - II, 17, 99

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#### DETAIL REQUIREMENTS

MS DASH NO 1/		CIRCUIT MADE BETWEEN TERMINALS AS INDICATED WITH THE TOGGLE LEVEL IN THESE POSITIONS (a)			CURRENT CAPACITY IN AMPERES						LIFE LOW CURRENT LEVEL SWITCHING 5 mV	
					RESISTIVE LOAD			INDUCTIVE LOAD				
		OPPOSITE KEYWAY SIDE (d)	CENTER POSITION	KEYWAY SIDE (d)	28 VOLTS DC	115 VOLTS		28 VOLTS DC	115 VOLTS			
60 HERTZ AC	400 HERTZ AC					60 HERTZ AC	400 HERTZ AC					
-711	-211	ON 2-3,5-6	OFF	ON	5	2	3	(b) 1	1	2	(c) 25 uA	
-721	-221		NONE	1-2,4-5								OFF
-731	-231		ON	1-2,4-5								
-741	-241	MOM-ON 2-3,5-6	OFF	NONE	5	2	3	(b) 1	1	2	(c) 25 uA	
-771	-271		NONE	MOM-ON								1-2,4-5
-781	-281		ON	2-3,5-6								
-811	-311	ON	2-3,5-6	1-2,4-5								

- (a) Direction of movement of internal mechanism is opposite to the direction of the toggle movement.
- (b) With time constant of .020 ± .002 seconds.
- (c) Contact resistance not to exceed 50 ohms during life, low current level switching.
- (d) Non-functional terminals shall not be supplied.

1/ 700 and 800 series toggle seal (water) 15' head, 200 and 300 series toggle seal (water) 1/2" head See note 7.

Ⓢ denotes changes

P A NAVY - AS Other Cust. ARMY - ER AF - 85	International Interest ASCCAS 12/16A	TITLE SWITCH, TOGGLE - POSITIVE BREAK, MINIATURE, TOGGLE SEALED SOLDER LUG, DOUBLE-POLE, 469 MOUNTING BUSHING	MILITARY STANDARD MS90311
Procurement Specification MIL-S-8834	SUPERSEDES MS0090311 (USAF)	PAGE 1 OF 2	

DD FORM 672  
MAY 73

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5930-1276-2

Distribution Statement A Approved for public release; distribution is unlimited.

18 Oct 1985

16 Oct 1979

31 MARCH 1978

21 Sep 1977

13 JUN 66

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Review activities

INCHES	MM	INCHES	MM	INCHES	MM
.002	.05	.030	.76	.432	10.97
.003	.08	.032	.81	.438	11.13
.005	.13	.045	1.14	.469	11.91
.010	.25	.052	1.32	.556	14.12
.012	.30	.072	1.83	.572	14.53
.016	.41	.169	4.29	.687	17.45
.024	.61	.240	6.10	.706	17.93
.025	.64	.338	8.59		

## J NOTES:

1. Dimensions are in inches
2. Metric equivalents are given for general information only
3. Unless otherwise specified, tolerances are  $\pm .010$  (0.25 mm) on decimals and  $\pm 5^\circ$  on angles
4. For hardware detail specifications see appendix of MIL-S-8834.
5. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence
6. 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
7. Toggle seal test Method I for 700 and 800 series, Method II for 200 and 300 series
8. Shock Method I and Method II (high impact). The switch shall be electrically and mechanically operative at the conclusion of the shock test except there can be mechanical transfer of the contact mechanism at all levels when tested in accordance with Method II (high impact).
9. Maximum weight .0463 pound (21 grams)
10. Strength of terminals. 5 pounds normal to the mounting plane and 2 pounds in other planes.
11. Altitude 50,000 feet
12. 115 V ac, 60 hertz electrical endurance tests are to be performed at room temperature and pressure.

APPROVED 13 JUN 66 REVISED J FOR CHANGE SEE PAGE 2

P A NAVY - AS	International Interest	TITLE SWITCH, TOGGLE -- POSITIVE BREAK, MINIATURE, TOGGLE SEALED SOLDER LUG, DOUBLE POLE, .469 MOUNTING -- BUSHING--	MILITARY STANDARD
Other Cust ARMY - ER AF - 85	ASCCAS 12/16A		MS90311
Procurement Specification MIL-S-8834		SUPERSEDES MSO090311(USAF)	PAGE 2 OF 2