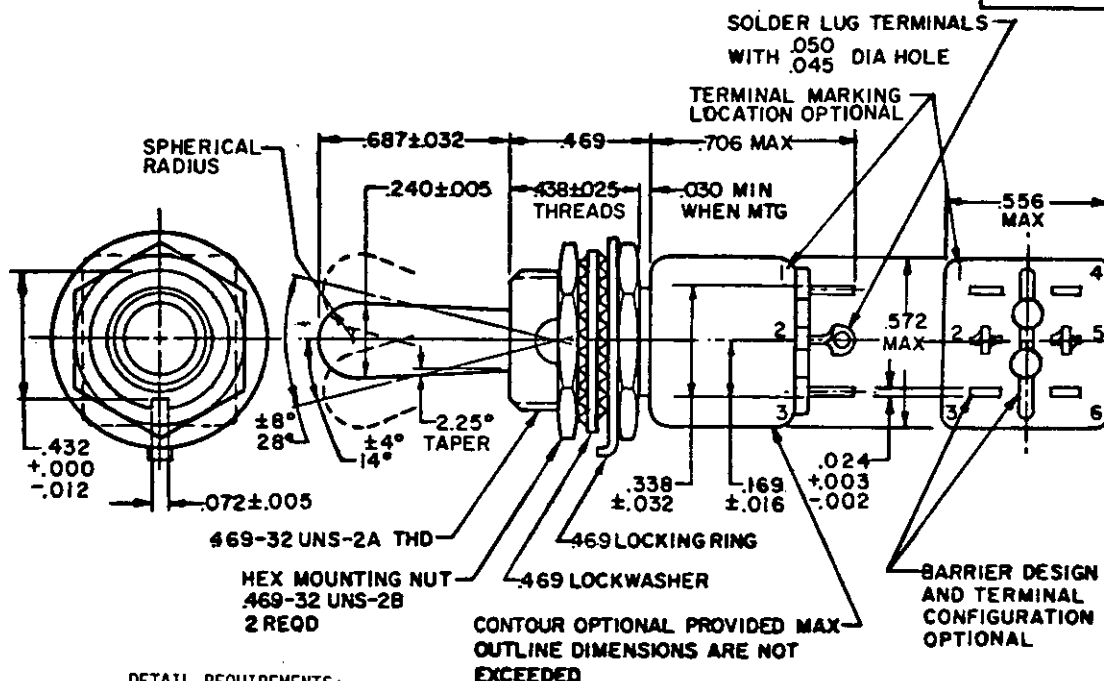


FED. SUP CLASS
5930



DETAIL REQUIREMENTS:

CIRCUIT REQUIREMENTS:				CURRENT CAPACITY IN AMPERES						LIFE LOW CIRCUIT LEVEL SWITCHING
MS DASH NO.	CIRCUIT MADE BETWEEN TERMINALS AS INDICATED WITH THE TOGGLE LEVER IN THESE POSITIONS (a)			RESISTIVE LOAD			INDUCTIVE LOAD			
ENVIRONMENTALLY SEALED	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	
-212	ON 2-3,5-6	OFF	ON 1-2,4-5	5	2	3	(b) 1	1	2	(c) 25 μ A
-222		NONE	OFF							
-232			ON 1-2,4-5							
-242			NONE							
-272	MOM-ON 2-3,5-6	OFF	MOM-ON 1-2,4-5							
-282	NONE									
-312	ON 2-3,5-6									

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

CANCELED AFTER 29 Nov 82
USE MS 90311

P.A AF - 85	International Interest	TITLE SWITCH, TOGGLE-POSITIVE BREAK, MINIATURE, ENVIRONMENTALLY SEALED, SOLDER LUG, DOUBLE POLE, .469 MOUNTING BUSHING	MILITARY STANDARD
Other Cust	ASCCAS 12/16A		MS21435 (USAF)
Procurement Specification MIL-S-8834		SUPERSEDES:	PAGE 1 OF 2

DD FORM 672
1 MAY 73

(Limited coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5930-F570

This military standard is approved for use by Aeronautical Systems Division, AFSC 11, Department of the Air Force, and is available for use by all Departments and Agencies of the Department of Defense.

Review activities:	Army -	Army -
	Navy -	Navy -
	Air Force -	Air Force -
	DLA - ES	DLA - ES

APPROVED 18 AUG 1977 REVISED (A) 29 NOV 82

FED. SUP CLASS
5930User activities: Army -
Navy -
Air Force -Review activities: Army -
Navy -
Air Force - 17,11
DLA - ES

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INCHES	MM
.002	.05
.003	.08
.005	.13
.010	.25
.012	.30
.016	.41
.024	.61
.025	.64

INCHES	MM
.030	.76
.032	.81
.045	1.14
.050	1.27
.072	1.83
.169	4.29
.240	6.10
.338	8.59

INCHES	MM
.432	10.97
.438	11.13
.469	11.91
.556	14.12
.572	14.53
.687	17.45
.706	17.93

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Unless otherwise specified, tolerances are ± 0.010 (.25 mm) on decimals and $\pm .5^\circ$ on angles.
4. For hardware detail specifications see appendix of MIL-S-8834.
5. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
6. Referenced documents shall be of the issue in effect on date of invitation for bid.
7. The switch shall be electrically and mechanically operative at the conclusion of the shock test with 2000 foot pounds except there can be transfer of the contact mechanism at all levels when tested in accordance with Method 207 of MIL-STD-202.
8. Terminals: Gold plated.
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 Vac 60 hertz electrical endurance tests are to be performed at room temperature and pressure.
13. Sealing: Environmental seal test is applicable. The leakage-rate sensitivity, bushing to lever seal before and after mechanical endurance, shall not exceed 30×10^{-5} standard atmospheric cubic centimeters per second (ATM/CC SEC) helium.

APPROVED 18 AUG 1977 REVISED (A)

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