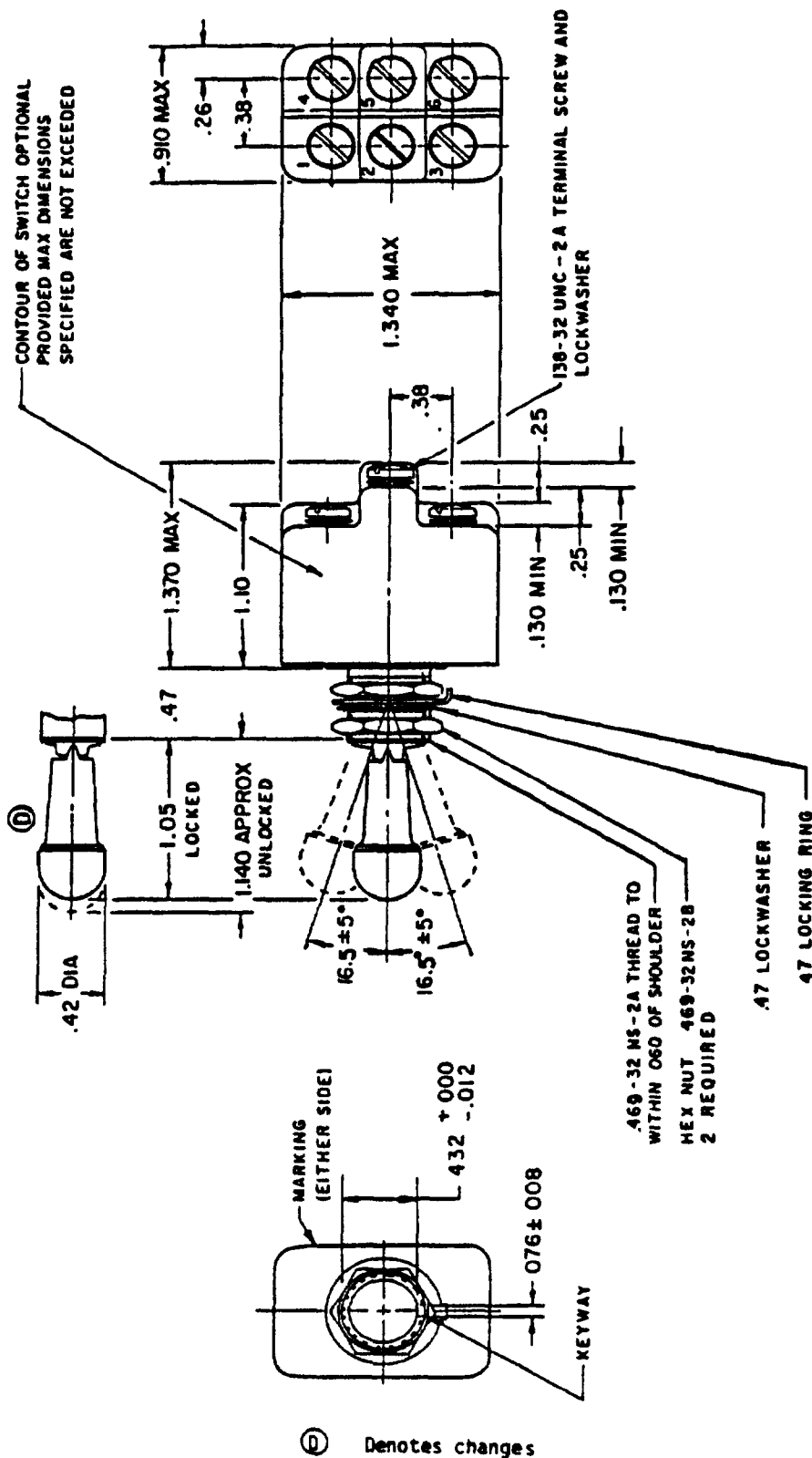


User activity: Air Force - 11

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.



ⓓ Denotes changes

P A Air Force - 85 Other Cust Army - ER Navy - AS	International Inconform	TITLE SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK	MILITARY STANDARD
			MS27408
Procurement Specification MIL-S-3950	SUPERSEDES:		PAGE 1 OF 3

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APPROVED 19 Apr-11 1965 REVISED (A) 20 Apr-11 1967 (B) 16 Sep 1969 (C) 14 May 1974 (D) 28 Sep 1987

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User activity: Air Force - 11

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

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Inches	mm	Inches	mm
.005	0.13	.38	9.7
.008	0.20	.42	10.7
.012	0.30	.432	10.97
.020	0.51	.47	11.9
.060	1.52	.910	23.11
.076	1.93	1.05	26.7
.130	3.30	1.10	27.9
.25	6.4	1.140	28.96
.26	6.6	1.340	34.04
		1.370	34.80

NOTES:

1. Dimensions are inches.
- ① 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.
- ① 4. For hardware and terminal screw 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 0.20 pound.
7. Locking arrangement: Positive locking shall be accomplished and shall prevent motion of the toggle lever until the locking mechanism is manually released.
8. The force required to release the locking mechanism shall be 3 to 5 pounds.
9. The locking means at the top of the toggle bushing shall be capable of withstanding a torque of 20 inch-pounds applied in both directions immediately following the humidity test.
- ① 10. Part number example: MS27408-1A (locking combination 'A').
- ① 11. 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.
- ① 12. 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 19 April 1965 REVISED ① For changes see pages 1, 2, and 3

P A Air Force - 85 Other Cust Army - ER Navy - AS	International Interest	TITLE SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK	MILITARY STANDARD
			MS27408
Procurement Specification MIL-S-3950	SUPERSEDES:		PAGE 2 OF 3

Review 6
 User activity: Air Force - 11

clases: Army - AV
 Navy - EC
 Air Force - 99
 MA - ES

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Locking combinations

Detail requirements:

A		B		D		E		F		G		H	
LOCKED IN THREE POSITIONS (KEYING SIDE)	LOCKED IN CENTER AND DOWN POSITIONS (KEYING SIDE)	LOCKED OUT OF CENTER POSITION	LOCKED OUT OF CENTER POSITION	LOCKED OUT OF DOWN POSITION (KEYING SIDE)	LOCKED OUT OF UP POSITION (OPPOSITE KEYING)	LOCKED IN CENTER POSITION	LOCKED IN UP POSITION (OPPOSITE KEYING)	LOCKED IN DOWN POSITION (KEYING SIDE)	LOCKED OUT OF CENTER AND DOWN POSITION (KEYING SIDE)	LOCKED OUT OF CENTER AND DOWN POSITION (KEYING SIDE)	LOCKED OUT OF CENTER AND DOWN POSITION (KEYING SIDE)	LOCKED OUT OF CENTER AND DOWN POSITION (KEYING SIDE)	LOCKED OUT OF CENTER AND DOWN POSITION (KEYING SIDE)
J		K		L		M		N		P		FIGURES A THROUGH P DO NOT REPRESENT DETAILS OF CONSTRUCTION. THEY SCHEMATICALLY ILLUSTRATE LOCKING CONFIGURATIONS AND MOMENTARY POSITIONS	
LOCKED OUT OF CENTER AND UP POSITION (OPPOSITE KEYING)	LOCKED IN CENTER AND UP POSITION (OPPOSITE KEYING)	LOCKED OUT OF DOWN POSITION (KEYING SIDE)	LOCKED OUT OF DOWN POSITION (KEYING SIDE)	LOCKED OUT OF DOWN POSITION (KEYING SIDE)	LOCKED OUT OF UP POSITION (OPPOSITE KEYING)	LOCKED OUT OF UP POSITION (OPPOSITE KEYING)	LOCKED OUT OF UP POSITION (OPPOSITE KEYING)	LOCKED OUT OF DOWN POSITION (KEYING SIDE)	LOCKED OUT OF DOWN POSITION (KEYING SIDE)	LOCKED OUT OF DOWN POSITION (KEYING SIDE)	LOCKED OUT OF DOWN POSITION (KEYING SIDE)		

MS part number	Available locking combinations	Circuit with toggle lever in			Current capacity (amperes)			
		Keying side	Center	Opposite keying side	28 volts dc	115 volts, 60 and 400 hertz ac	Lamp-load Resistive circuit	Inductive circuit
MS27408-1	All	1-2 On 4-5 2-3 On 4-5 2-3 On 5-6	4-5 2-3 On 4-5 2-3 On 5-6	7	20	15	4	15
MS27408-2	E, F, K, L, M, N	Hom. 1-2 on 4-5 2-3 On 4-5 2-3 On 5-6	4-5 2-3 On 4-5 2-3 On 5-6	5	18	10	2	11
MS27408-3	E, L, M	Hom. 1-2 on 4-5 2-3 On 4-5 2-3 on 5-6	4-5 2-3 On 4-5 2-3 on 5-6	5	18	10	2	11
MS27408-4	All	1-2 On 4-5 1-2 On 5-6 2-3 On 5-6	4-5 1-2 On 5-6 2-3 On 5-6	7	20	15	4	15
MS27408-5	E, F, K, L, M, N	Hom. 1-2 on 4-5 1-2 On 5-6 2-3 On 5-6	4-5 1-2 On 5-6 2-3 On 5-6	5	18	10	2	11
MS27408-6	E, L, N	Hom. 1-2 on 4-5 1-2 On 5-6 2-3 on 5-6	4-5 1-2 On 5-6 2-3 on 5-6	5	18	10	2	11

NOTE: Part number MS27408-7 has been canceled without replacement.

PA Air Force - 85 Other Cust Army - ER Navy - AS	TITLE SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK	MILITARY STANDARD MS27408
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