



User activity: Air Force - 11

Army - AV  
Navy - EC  
Air Force - 99  
DLA - ES

Review activities

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.

FED. SUP CLASS  
5930

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	1.05	26.7
.076	1.93	1.10	27.9
.130	3.30	1.140	28.96
.25	6.4	1.340	34.04
.37	9.4	1.370	34.80
		1.660	42.16

## NOTES:

1. Dimensions are inches.
- ② 2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is  $\pm 0.020$  (0.51 mm) for two place decimals and  $\pm 0.005$  (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 0.20 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.
10. Part number example: MS27409-1A (locking combination 'A').
- ④ 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.
- ④ 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 28 April 1965 REVISED ④ For changes see pages 1 and 2.

P.A. Air Force - 85 Other Cus Army - ER Navy - AS	International Interest	TITLE SWITCH, TOGGLE, FOUR POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK	MILITARY STANDARD  <b>MS27409</b>
Procurement Specification MIL-S-3950		SUPERSEDES	PAGE 2 OF 3

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P A		Informational		TITLE		MILITARY STANDARD	
Air Force - 85				SWITCH, TOGGLE, FOUR POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK		MS27409	
Other Cus							
Army - ER							
Navy - AS							
Procurement Specification MIL-S-3950				SUPERSEDES:		PAGE 3 OF 3	

  

Detail requirements:															
Locking combinations															
FED. SUP CLASS 5930															
A		B		D		E		F		G		H			
J		K		L		M		N		P		FIGURES A THROUGH P DO NOT REPRESENT DETAILS OF CONSTRUCTION. THEY SCHEMATICALLY ILLUSTRATE LOCKING CONFIGURATIONS AND MOMENTARY POSITIONS			
MS part number		Available locking combinations		Circuit with toggle lever in		Current capacity (amperes)		Current capacity (amperes)							
				Keying side		Center		Opposite keying side		Lamp-load Resistive circuit		Inductive circuit			
MS27409-1		A11		1-2 1-7-8 On 10-11 2-3 4-5 11-12 7-8 On 10-11 2-3 4-5 11-12 7-8 On 10-11		Center		4-5 2-3 11-12 8-9 On 11-12 4-5 2-3 11-12 8-9 On 11-12		5		20		12	
MS27409-2		E, F, K, L, M, N		1-2 Mom. 4-5 2-3 7-8 on 10-11 2-3 4-5 11-12 7-8 on 10-11		Center		4-5 2-3 11-12 8-9 On 11-12 4-5 2-3 11-12 8-9 On 11-12		4		18		10	
MS27409-3		E, L, N		1-2 Mom. 4-5 2-3 7-8 on 10-11 2-3 4-5 11-12 7-8 on 10-11		Center		4-5 2-3 Mom. 5-6 7-8 on 10-11 2-3 4-5 11-12 7-8 on 10-11		4		2		11	
												15		15	
												8		8	

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