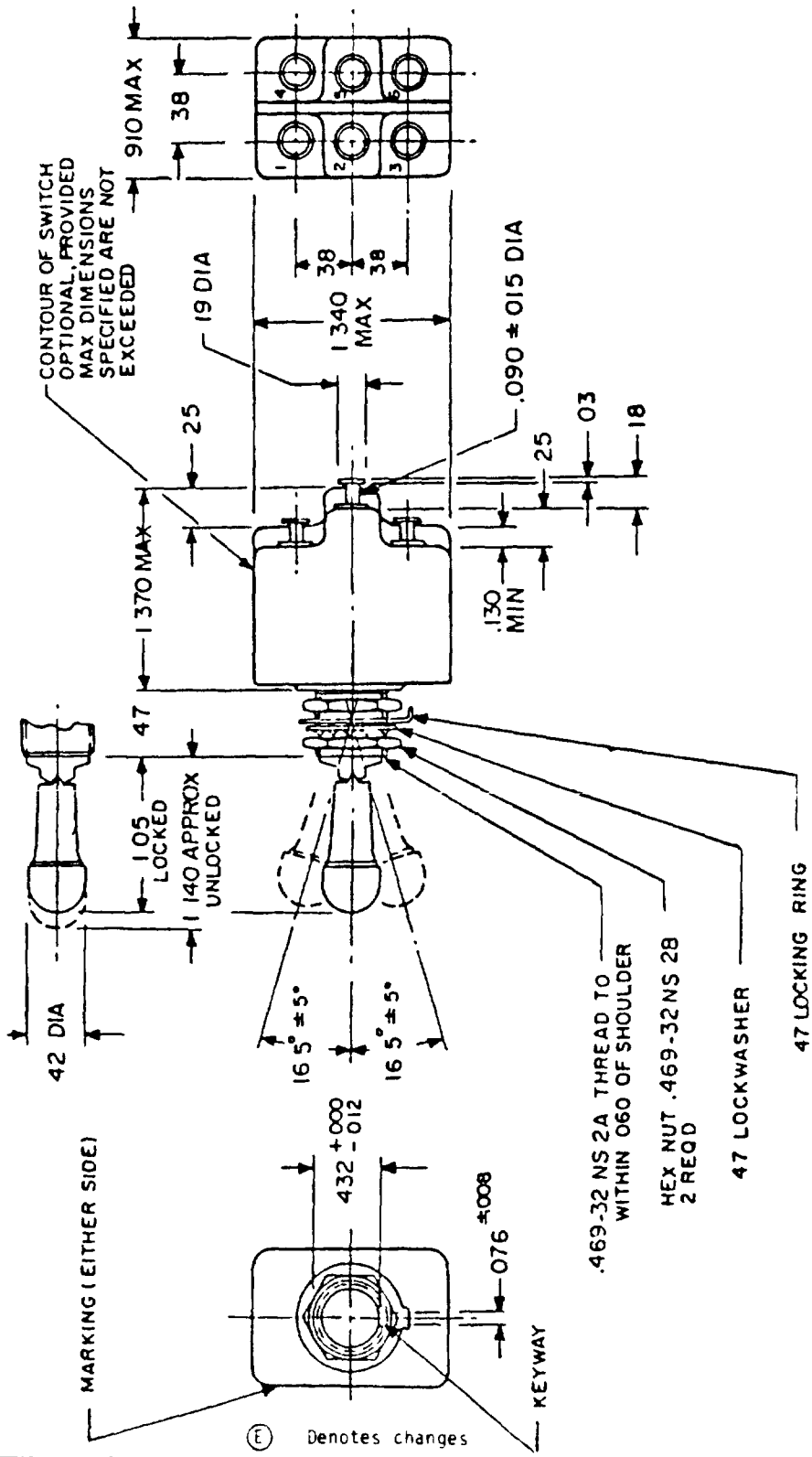
FED SUP CLASS
5930



Ⓔ Denotes changes

APPROVED 15 Sep 1970 REVISED Ⓐ 22 Apr 1971 Ⓑ 27 Jun 1972 Ⓒ 14 May 1974 Ⓓ 25 Apr 1975 Ⓔ 28 Sep 1987

User activity Air Force - 11

Review activities Army - AV Navy - EC Air Force - 99 DLA - FS

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... Air Force - 85 Other Cust Army - EP Navy - AS	International interest	TITLE SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK, SOLDER TERMINAL	MILITARY STANDARD MS27738
P...urement Specification MIL-S-3950		SUPERSEDES	PAGE 1 OF 4

DD FORM 1 MAY 73 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 5930-1358-18

AMSC N/A

DISTRIBUTION STATEMENT A Approved for public release, distribution is unlimited

Inches	mm	Inches	mm
.005	0.13	.25	6 4
.008	0 20	.38	9 7
.012	0.30	.42	10.7
015	0.38	.432	10 97
.020	0.51	.469	11 91
03	0 8	.47	11.9
060	1.52	910	23.11
.076	1.93	1 05	26.67
090	2 29	1 140	28 96
.130	3 30	1.340	34 04
.18	4.6	1.370	34.80
.19	4.8		

NOTES

1. Dimensions are inches.
2. Metric equivalents are given for general information only
3. Unless otherwise specified, tolerance is ± 020 (0.51 mm) for two place decimals and ±.005 (0.13 mm) for three place decimals.
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 0.17 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, MS27738-21A (locking combination 'A').
11. (E) 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.
12. (E) 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

For changes see page 2

APPROVED 15 Sep 1970 REVISED (E)

User activity Air Force - 11

Review activities Army - AV
Navy - EC
Air Force - 99
CLA - ES

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P A Air Force - 85 Other Cust Army - ER Navy - AS	International interest	TITLE SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK, SOLDER TERMINAL	MILITARY STANDARD MS27738
Procurement Specification MIL-S-3950		SUPERSEDES	PAGE 2 OF 4

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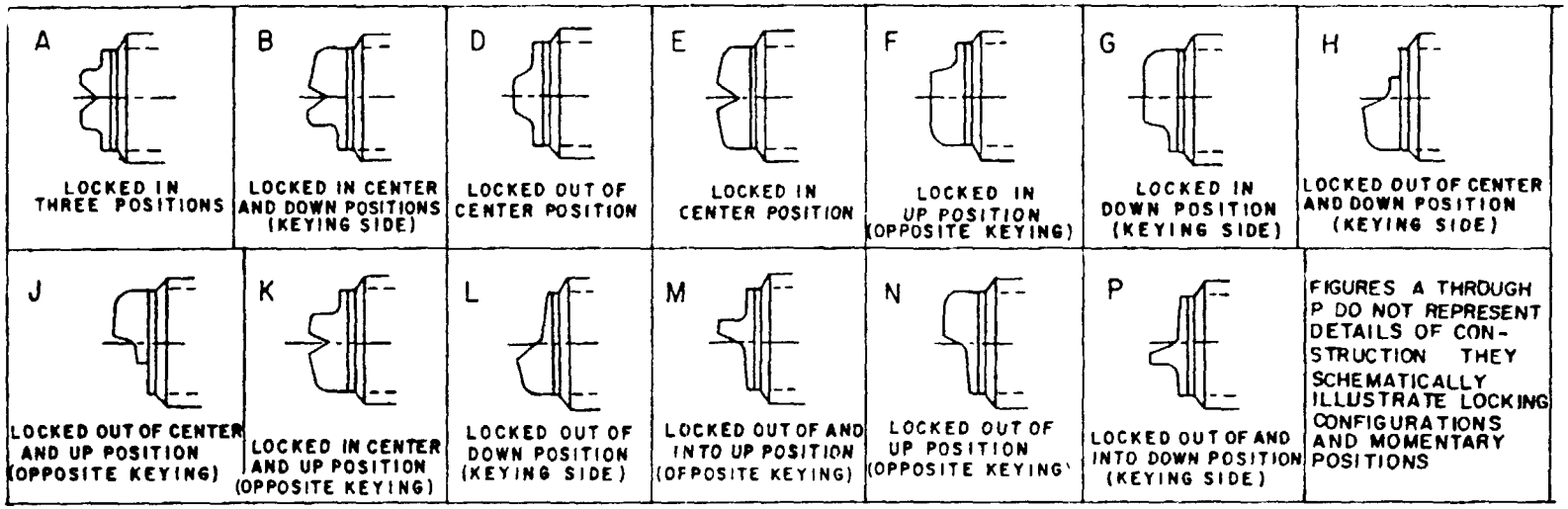
Review activities: Army - AV; Navy - [illegible]; Air Force - [illegible]; [illegible] - [illegible]

User activity: Air Force - 11

Locking combinations



FED SUP CLASS 5930

APPROVED 15 Sep 1970 REVISED (E) for change see page 2

P A
Air Force - 85
Other Cust
Army - ER
Navy - AS

Procurement Specification
MIL-S-3950

International interest

TITLE
SWITCH, TOGGLE, TWO POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK, SOLDER TERMINAL

SUPERSEDES

MILITARY STANDARD

MS27738

DD FORM 1 MAY 73 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Detail requirements

MS part number	Available locking combinations	Circuit with toggle lever in: Keying side	Center	Opposite keying side	Current capacity (amperes) 28 volts dc: Lamp-load circuit	Resistive circuit	Inductive circuit	Current capacity (amperes) 115 volts, 60 and 400 hertz ac: Lamp-load circuit	Resistive circuit	Inductive circuit
MS27738-1	All	1-2 On 4-5	1-2 On 5-6	2-3 On 5-6	7	20	15	4	15	15
MS27738-2	E, F, K, L, M, N	Mom. 1-2 on 4-5	1-2 On 5-6	2-3 On 5-6						
MS27738-3	E, L, N	Mom. 1-2 on 4-5	1-2 On 5-6	Mom. 2-3 on 5-6	5	18	10	2	11	8
MS27738-21	All	1-2 On 4-5	Off	2-3 On 5-6						
MS27738-22	D, F, G	Off	None	2-3 On 5-6	7	20	15	4	15	15
MS27738-23	D, F, G	1-2 On 4-5	None	2-3 On 5-6						
MS27738-24	E, F, K, M	None	Off	2-3 On 5-6						
MS27738-25	F	None	Mom. off	2-3 On 5-6						
MS27738-26	F	Mom. 1-2 on 4-5	None	2-3 On 5-6						
MS27738-27	E, L, N	Mom 1-2 on 4-5	Off	Mom. 2-3 on 5-6						
MS27738-28	E	Mom. 1-2 on 4-5	Off	None	5	18	10	2	11	8
MS27738-29	F	Mom. off	None	2-3 On 5-6						
MS27738-30	F	Mom 1-2 on 4-5	None	Off						
MS27738-31	E, F, K, L, M, N	Mom 1-2 on 4-5	Off	2-3 On 5-6						
MS27738-32	E	None	1-2 On 4-5	Mom. 2-3 on 5-6						
MS27738-33	E, F, K, M	None	1-2 On 4-5	2-3 On 5-6	7	20	15	4	15	15