

THE REQUIREMENTS FOR ACQUIRING THE INFORMATION SPECIFICATION LISTED IN THAT ISSUE OF THE SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION MIL-S-3950

Form Approved
OMB No 0704-0188

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	.635	16.13
.076	1.93	1.05	26.7
.090	2.29	1.140	28.96
.18	4.6	1.180	29.97
.19	4.8	1.270	32.27

NOTES

1. Dimensions are inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± 0.020 (0.51 mm) for two place decimals and ± 0.005 (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 0.11 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 MS27737-21A (locking combination 'A').
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.
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.

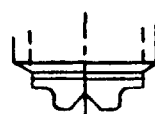
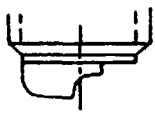
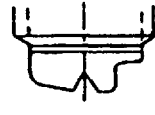
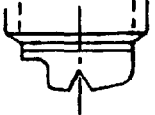
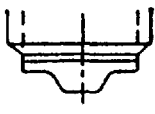
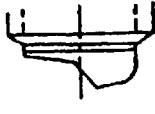
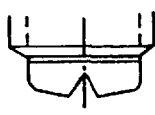
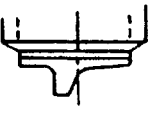
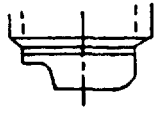
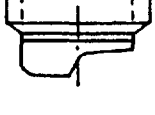
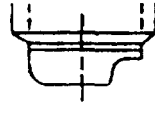

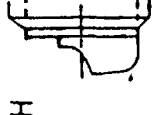
THIS SPECIFICATION IS APPROVED FOR USE BY
Department of Defense

PREPARING ACTIVITY Air Force-85 CUSTODIANS ARMY-ER NAVY-AS AIR FORCE DLA	MILITARY SPECIFICATION SHEET TITLE SWITCH, TOGGLE, ONE POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK, SOLDER TERMINAL	SPECIFICATION SHEET NUMBER MS27737F
REVIEW Army-AV Navy-EC USER Air Force-99 DLA-ES PROJECT NUMBER 5930-1454-08		SUPERSEDING MS27737E 28 Sep 1987 AMSC N/A PSC- 5930
DISTRIBUTION STATEMENT A Approved for public release, distribution is unlimited		Page <u>2</u> of <u>4</u>

THIS SPECIFICATION IS APPROVED FOR USE BY all agencies of the
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THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS
SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THE "ISSUE OF THE
MIL-S-3950
DOCS SPECIFIED IN THE SOLICITATION

Locking combinations

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

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PREPARING ACTIVITY Air Force-85 CUSTODIANS ARMY ER NAVY AS AIR FORCE DLA REVIEW Army-AV Navy-EC USER Air Force-99 DLA-ES PROJECT NUMBER 5930-1454-08		TITLE SWITCH, TOGGLE, ONE POLE, ENVIRONMENTALLY SEALED, LEVER-LOCK, SOLDER TERMINAL	SPECIFICATION SHEET NUMBER MS27737F SUPERSEDING MS27737E 28 Sep 1987 AMSC N/A FSC 5930
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Detail requirements:

MS part number	Available locking combinations	Circuit with toggle lever in		Current capacity (amperes)		Current capacity (amperes)	
		Keying side	Center keying side	Lamp-load Resistive circuit	Lamp-load Inductive circuit	Resistive circuit	Inductive circuit
MS27737-21	All	1-2 On	Off	2-3 On			
MS27737-22	D, F, G	Off	None	2-3 On	5	3	10
MS27737-23	D, F, G	1-2 On	None	2-3 On			
MS27737-24	E, F, K, M	None	Off	2-3 On			
MS27737-25	F	None	Mon. off	2-3 On			
MS27737-26	F	1-2 Mon. on	None	2-3 On			
MS27737-27	E, L, N	1-2 Mon. on	Off	2-3 Mon. on			
MS27737-28	E	1-2 Mon. on	Off	None	4	2	7
MS27737-29	F	Mon. off	None	2-3 On			
MS27737-30	F	1-2 Mon. on	None	Off			
MS27737-31	E, F, K, L, M, N	1-2 Mon. on	Off	2-3 On			
MS27737-32	E	None	On 1-2	2-3 Mon. on			
MS27737-33	E, F, K, M	None	On 1-2	2-3 On	5	3	10

PREPARING ACTIVITY Air Force-85
CUSTODIANS ARMY ER NAVY-AS
AIR FORCE DLA
Army-AV Navy-EC
REVIEW Air Force-99 DLA-ES
USER Air Force-11
PROJECT NUMBER 5930-1454-08

TITLE
MILITARY SPECIFICATION SHEET
SWITCH, TOGGLE, ONE POLE,
ENVIRONMENTALLY SEALED,
LEVER-LOCK, SOLDER TERMINAL

SPECIFICATION SHEET NUMBER

MS27737F

SUPERSEDING
MS27737E 28 Sep 1987

AMSC N/A FSC 5930

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