



NOTES

- NOTES
- 1 Dimensions are in inches
 - 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
 - 4 For hardware detail specifications, see appendix of MIL-S-8373.
 - 5 Configuration of switch case is optional provided maximum dimensions specified are not exceeded

Inches	min
.030	0.76
.04	1.02
.055	1.40
.07	1.78
.10	2.54
.175	4.45
.25	6.35
.27	6.86
.31	7.87
.42	10.67
.535	13.59
.575	14.61
.640	16.26

CANCELED MS PART NUMBER 1/	SUBSTITUTE MS PART NUMBER 1/	CIRCUITS MADE WITH TOGGLE LEVER IN			
		KEYING SIDE 1-2 4-5	CENTER POSITION		OPPOSITE KEYING SIDE 2-3 5-6
MS27790-1	MS27790-34	ON	2-3	ON	4-5 ON
-2	-35	MOM-ON	2-3	ON	4-5 ON
-3	-36	MOM-ON	2-3	ON	4-5 MOM-ON
-4	-38	ON	1-2	ON	5-6 ON
-5	-39	MOM-ON	1-2	ON	5-6 ON
-6	-40	MOM-ON	1-2	ON	5-6 MOM-ON

- 1/ The canceled part numbers are no longer procurable, the substitute part numbers have a lower dielectric withstanding voltage at reduced barometric pressure (see 2 below)

NOTES

- 1 All switches on this standard are designed so that the movement of the switch
- 2 mechanism is opposite to that of the toggle lever
- 3 Test voltage for dielectric withstanding voltage at reduced barometric pressure,
- 4 shall be 400 V rms minimum.
- 5 3. Electrical endurance shall be performed for 30,000 cycles.
- 6 4. Mechanical endurance shall be performed 50,000 cycles at -65°C and then 50,000
- 7 cycles at 85°C.
- 8 5. Intermediate current shall be performed for 30,000 cycles.
- 9 6. Terminals shall be molded into the switch case and shall accommodate no 16 awg
- 10 wire
- 11 7. Strength of actuating lever pivot and lever stop 8 lbs.
- 12 8. Sand and dust. Toggle boots in accordance with MIL-B-5423 shall be used
9. Maximum weight shall be .020 lb.
- 10 Electrical ratings for 28 volts dc and 115 volts ac at 400 Hz
- 11 Lamp load = 1 ampere, resistive load = 5 amperes, inductive load = 2 amperes.
- 12 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
- Referenced Government documents of the issue listed in that issue of the
- Department of Defense Index of Specifications and Standards (DDIS) specified
- in the solicitation form a part of this standard to the extent specified herein

(ii) denote a change

PREPARING ACTIVITY LUSTOLIANS ARMY	All Force-85 NAVY As AIR FORCE DIA	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER
		SWITCH TOGGLE, MINIATURE, DOUBLE POLE, ENGRAINED	MS27790D 15 Jan 1990
REVIEW USPS	BY AVIAA 11,99		SUPERSEDING MS27790C 29 May 1988
PROJECT NUMBER			AMSC N/A ESI G.W.G.
DISTRIBUTION STATEMENT			Page 1 of 1