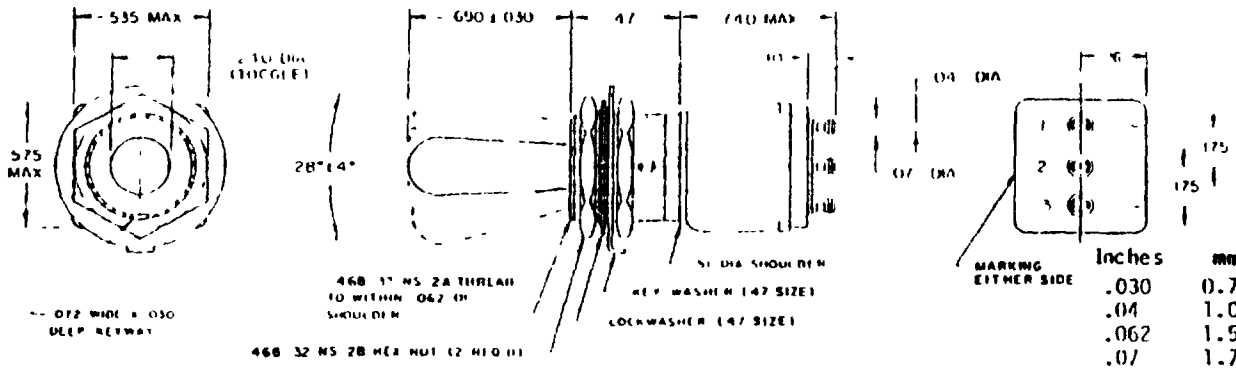
THIS STANDARD IS APPROVED FOR USE BY all Departments and Agencies of the Department of Defense

E REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL COY OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT DODISS SPECIFIED IN THE SOLICITATION MIL-S-83731

Form Approved
OMB No 0704-0188



Inches	mm
.030	0.76
.04	1.02
.062	1.57
.07	1.78
.072	1.83
.10	2.5
.175	4.45
.240	6.10
.26	6.6
.468	11.89
.47	11.9
.51	13.0
.535	13.59
.575	14.61
.690	16.26
.740	18.80

NOTES
1. Dimensions are in inches
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ±.020 (0.51 mm) on two place decimals and ±.005 (0.13 mm) on three place decimals.
4. For hardware detail specifications, see supplement of MIL-S-83731.
5. Configuration of switch case is optional provided maximum dimensions specified are not exceeded

DETAIL REQUIREMENTS.

CANCELED MS PART NUMBER 1/	SUBSTITUTE MS PART NUMBER 1/	CIRCUITS MADE WITH TOGGLE LEVER IN		
		KEYING SIDE 1-2	CENTER POSITION	OPPOSITE KEYING SIDE 2-3
MS27718-21	MS27718-21-1	ON	OFF	ON
-22	-22-1	OFF	NONE	ON
-23	-23-1	ON	NONE	ON
-26	-26-1	MOM-ON	NONE	ON
-27	-27-1	MOM-ON	OFF	MOM-ON
-31	-31-1	MOM-ON	OFF	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 mechanism is opposite to that of the toggle lever.
2. Test voltage for dielectric withstanding voltage at reduced barometric pressure, shall be 400 V rms minimum.
3. Electrical endurance shall be performed for 30,000 cycles
4. Mechanical endurance shall be performed 50,000 cycles at -65°C and then 50,000 cycles at 85°C.
5. Intermediate current shall be performed for 30,000 cycles
6. Terminals shall be molded into the switch case and shall accommodate no 18 awg wire
7. (E) Maximum weight shall be .025 lb.
8. Electrical ratings for 28 volts dc and 115 volts ac at 400 Hz
   Lamp load = 1 ampere, resistive load = 5 amperes, inductive load = 2 amperes.
9. 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
10. 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

(E) denotes changes

PREPARING ACTIVITY Air Force-85 CUSTODIANS ARMY IR NAVY EC AIR FORCE DLA Army-AV Air Force-99 REVIEW DLA-ES USER PROJECT NUMBER 5930-1437-02	MILITARY SPECIFICATION SHEET TITLE SWITCH, TOGGLE, MINIATURE SINGLE POLE, TOGGLE SEAL	SPECIFICATION SHEET NUMBER MS27718E 18 Jun 1990 SUPERSEDING MS27718D 20 May 1988 AMSC N/A FSC 5930

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