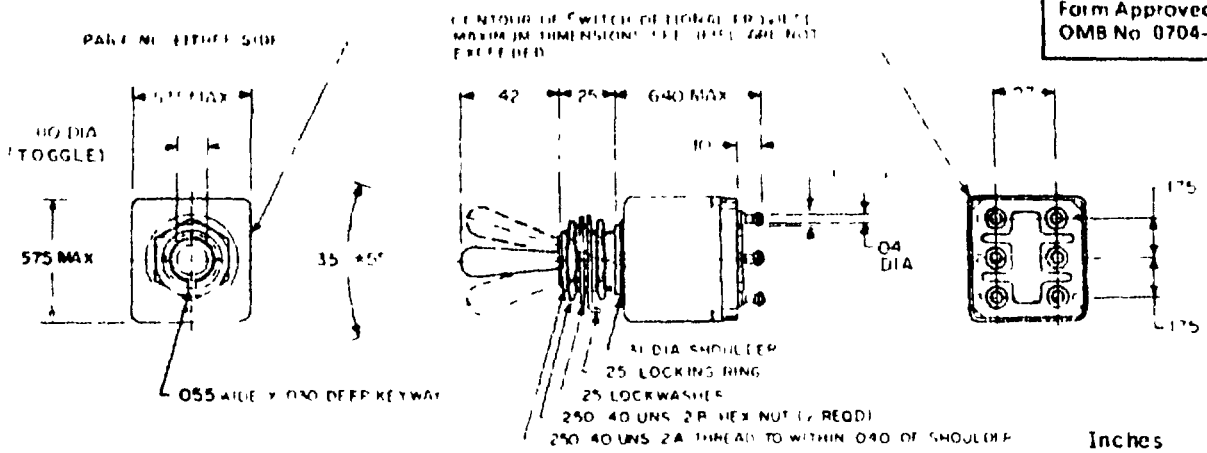
Form Approved
OMB No 0704-0188




| Inches | mm |
|---|---|
| .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 |

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) for two place decimals and ± 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

| 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 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 16 awg wire
7 Strength of actuating lever pivot and lever stop 8 lbs.
8. Sand and dust. Toggle boots in accordance with MIL-B-5423 shall be used
(D) 9. Maximum weight shall be .020 lb.
10 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.
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

(D) denotes change

| | | |
|---|---|---|
| PREPARING ACTIVITY Air Force-85<br>CUSTODIANS ARMY ER NAVY AS<br>AIR FORCE DLA<br>REVIEW [illegible] AV [illegible] Air Force 11,99<br>USER [illegible]<br>PROJECT NUMBER [illegible] | MILITARY SPECIFICATION SHEET<br>TITLE SWITCH TOGGLE, MINIATURE, DOUBLE POLE, ENSEALED | SPECIFICATION SHEET NUMBER MS27790D 15 [illegible] 1990<br>SUPERSEDING MS27790[illegible] 20 May 1988<br>AMSC N/A FSC [illegible] |

DISTRIBUTION STATEMENT [illegible] unlimited



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 DODISS SPECIFIED IN THE SOLICITATION MIL-S-83731

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