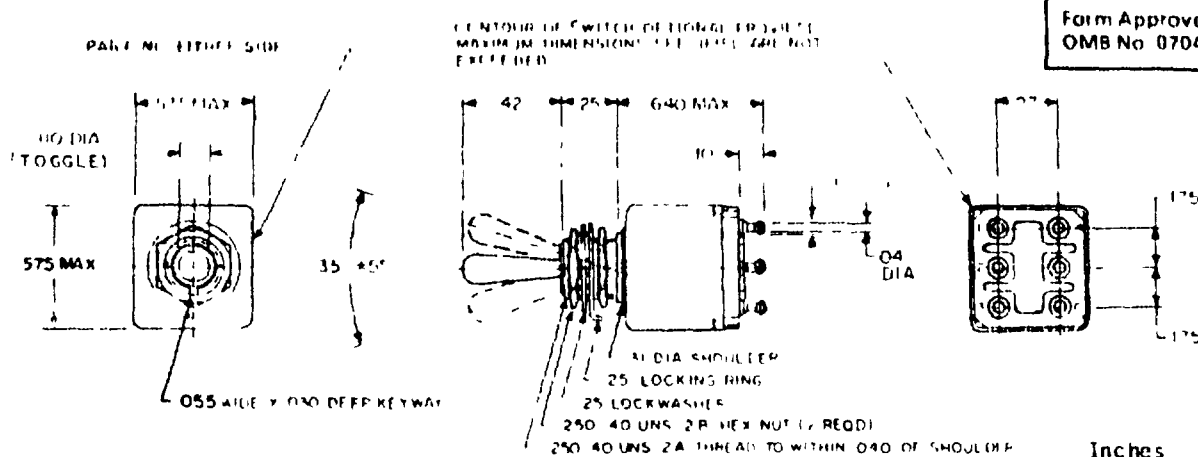




Form Approved  
OMB No 0704-0188

# 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-83731
- 5 Configuration of switch case is optional provided maximum dimensions specified are not exceeded

| 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 |

| CANCELED MS<br>PART NUMBER<br>1/ | SUBSTITUTE<br>MS PART<br>NUMBER 1/ | CIRCUITS MADE WITH TOGGLE LEVER IN |                 |                                    |  |
|----------------------------------|------------------------------------|------------------------------------|-----------------|------------------------------------|--|
|                                  |                                    | KEYING SIDE<br>1-2 4-5             | CENTER POSITION | OPPOSITE<br>KEYING SIDE<br>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  $-65^{\circ}\text{C}$  and then 50,000 cycles at  $85^{\circ}\text{C}$ .
- 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
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<br>LUSTODIANS ARMY<br>AIRFORCE | Am Force-85<br>NAVY As<br>DLA | MILITARY SPECIFICATION SHEET<br>TITLE<br>SWITCH TOGGLE, MINIATURE,<br>DOUBLE POLE, TRIPLED | SPECIFICATION SHEET NUMBER<br>MS27790D 11 Jan 1990 |
| REVIEW<br>USER                                    | 11, 99                        |                                                                                            | SUPERSEDING<br>MS27790 29 May 1988                 |
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| DISTRIBUTION STATEMENT                            |                               |                                                                                            | Page 1 of 1                                        |