

INCH POUND
MS18151L
16 November 2022
SUPERSEDING
MS18151K
17 October 2005

DETAIL SPECIFICATION SHEET
SWITCH, TOGGLE, ONE POLE, SEALED TOGGLE

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the switch described herein shall consist of this specification and the latest issue of [MIL-DTL-83731](#).

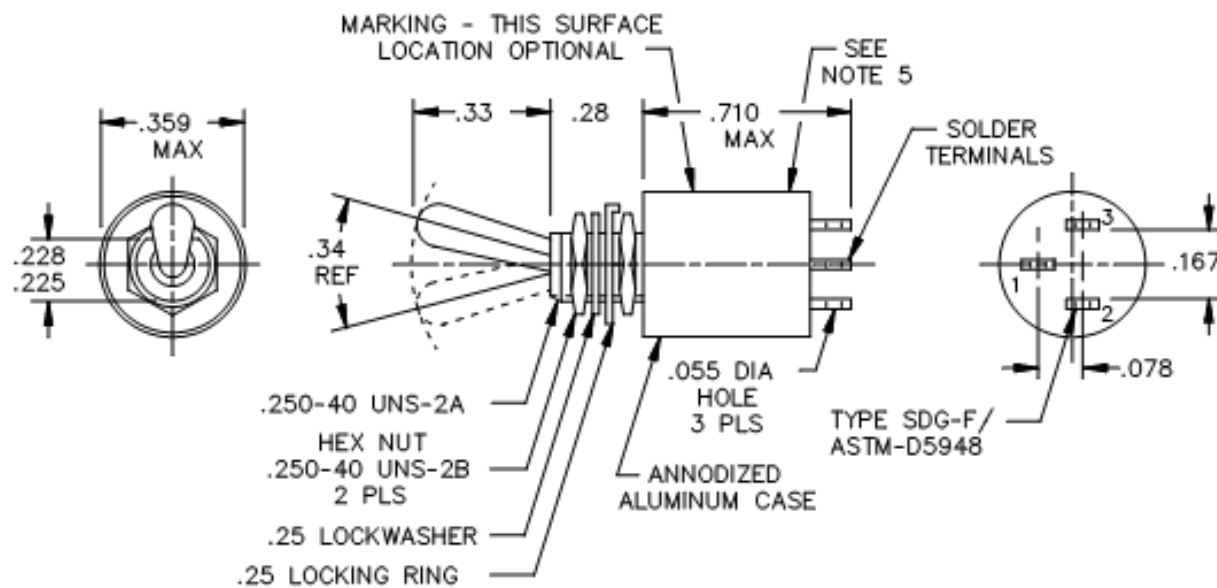
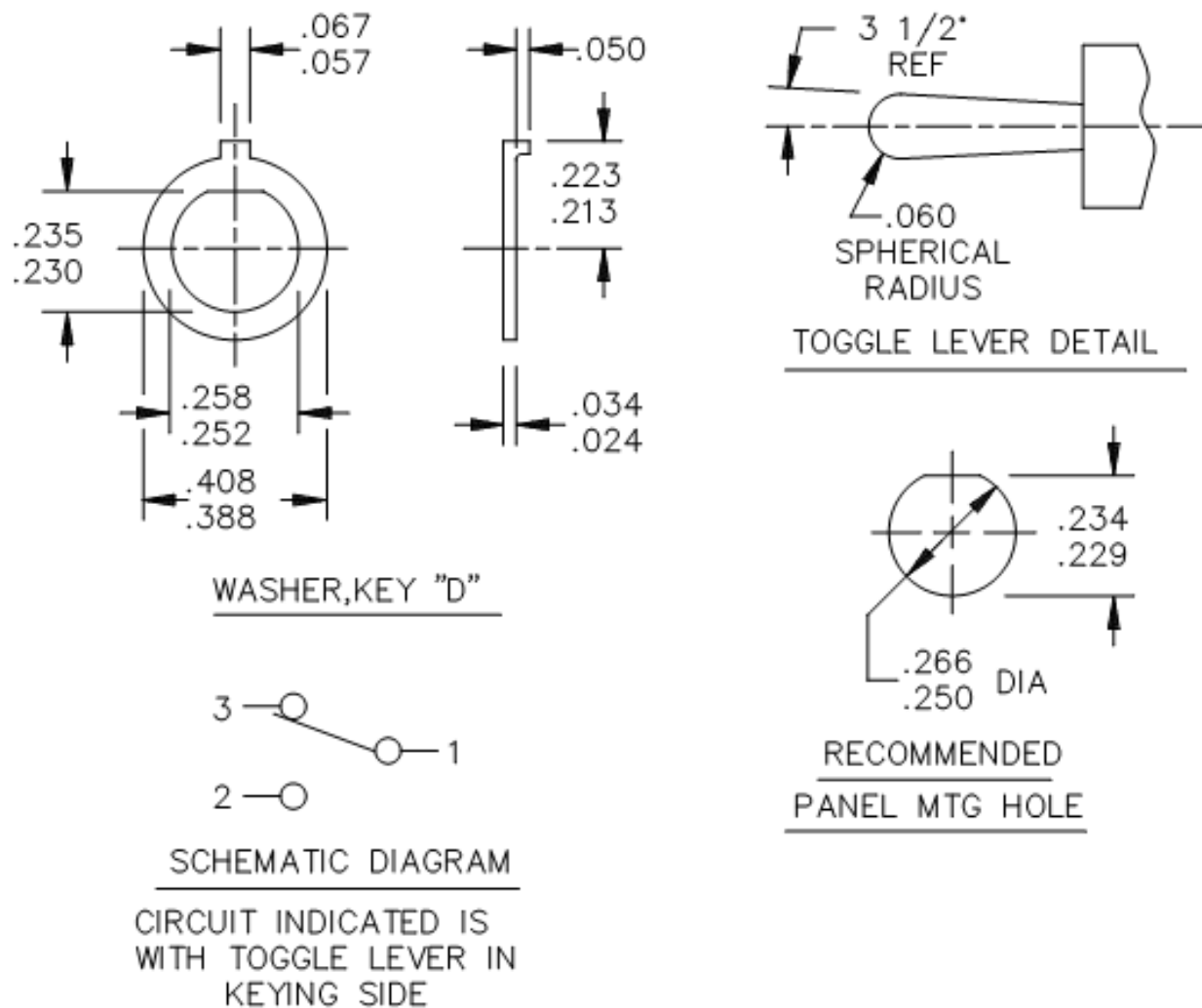


FIGURE 1. Dimensions and configuration.





NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are $\pm .005$ for three place decimals and $\pm .02$ for two place decimals.
3. For hardware detail specifications, see appendix of [MIL-DTL-83731](#).
4. Contour of switch optional provided maximum dimensions specified are not exceeded.
5. Referenced documents shall be of the issue in effect on date of invitation for bid.
6. For design feature purposes, this military specification takes precedence over acquisition documents referenced herein.

FIGURE 1. Dimensions and configuration - Continued.

MS18151L

REQUIREMENTS:

All switches on this military specification are designed so that the movement of the switch mechanism is the same as that of the toggle lever.

Switching action: Keying side - On, Center - None, Opposite side - On.

TABLE I. Electrical ratings.

	28 V dc	120 V dc	115 V ac 60 and 400 Hz
RES	1.5 A	0.1 A	1.0 A
IND	0.5 A	0.1 A	0.5 A
LAMP	0.5 A	0.1 A	0.5 A

Strength of actuating lever pivot and lever stop: 12 pounds.

Dielectric withstanding voltage:

Initial: 1,000 V (Sea level), 400 V (altitude).

After endurance tests: 600 V.

Shock: Method II.

Operating temperature range: -40°C to +71°C.

Short circuit: Method II.

Weight: 0.010 pound maximum.

Electrical Life at 65,000 ft altitude: 2,000 cycles.

Military PIN: MS18151-1.

Referenced Documents:

[MIL-DTL-83731](#)
[ASTM-D5948](#)

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the previous issue.

Custodians:

Army - CR
Navy – EC
Air Force - 85
DLA - CC

Preparing activity:

DLA – CC

(Project 5930-2023-002)

Review activities:

Army - AV
Navy – AS

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil/>.