

INCH POUND
 MS18151K
 17 October 2005
 SUPERSEDING
 MS18151J
 18 July 1991

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.

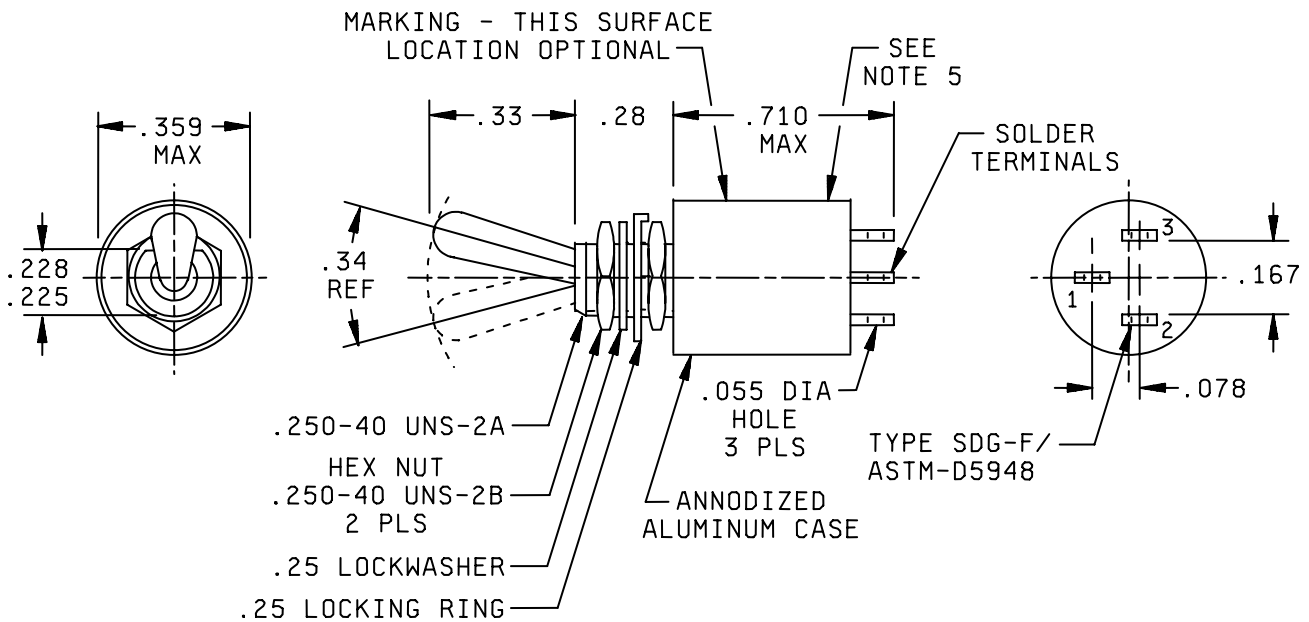


FIGURE 1. Dimensions and configuration.

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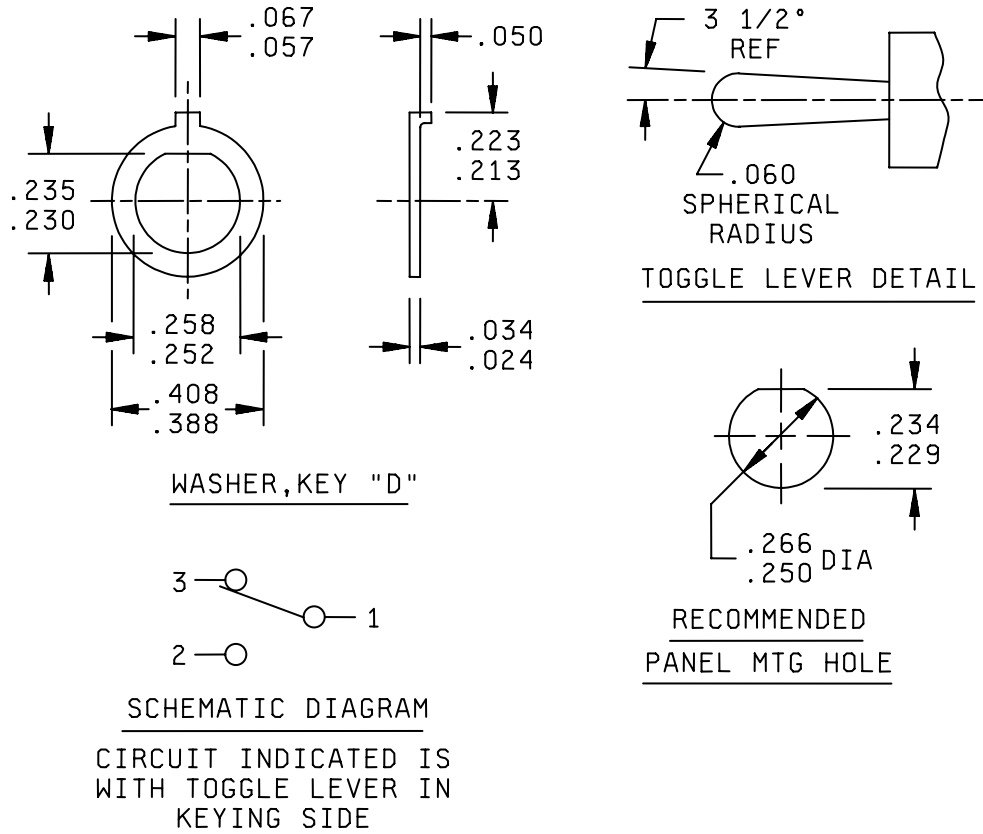


FIGURE 1. Dimensions and configuration - Continued.

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Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.024	0.61	.067	1.70	.225	5.72	.235	5.97	.266	6.76	.408	10.36
.034	0.86	.16	4.1	.228	5.79	.250	6.35	.28	7.1	.480	12.19
.055	1.40	.19	4.8	.229	5.82	.252	6.40	.33	8.4	.688	17.48
.057	1.45	.213	5.41	.230	5.84	.258	6.55	.388	9.86	.705	17.91
.060	1.52	.223	5.66	.234	5.94						

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are $\pm .005$ (0.13 mm) for three place decimals and $\pm .02$ (0.5 mm) for two place decimals.
4. For hardware detail specifications, see appendix of MIL-DTL-83731.
5. Contour of switch optional provided maximum dimensions specified are not exceeded.
6. Referenced documents shall be of the issue in effect on date of invitation for bid.
7. For design feature purposes, this military specification takes precedence over acquisition documents referenced herein.

FIGURE 1. Dimensions and configuration - Continued.

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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.

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Referenced Documents:

MIL-DTL-83731
ASTM-D5948

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:

Army - CR
Air Force - 11
Navy – EC
DLA - CC

Preparing activity:
DLA – CC

(Project 5930-1915-01)

Review activities:

Army - AV
Navy – AS
Air Force - 99

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 <http://assist.daps.dla.mil/> .