

PERFORMANCE SPECIFICATION SHEET

SWITCHES, SENSITIVE, DPDT, PLUNGER,  
5 AMPERE, HERMETIC

This specification forms a part of MIL-PRF-8805, dated 23 January 1998, and is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-PRF-8805.

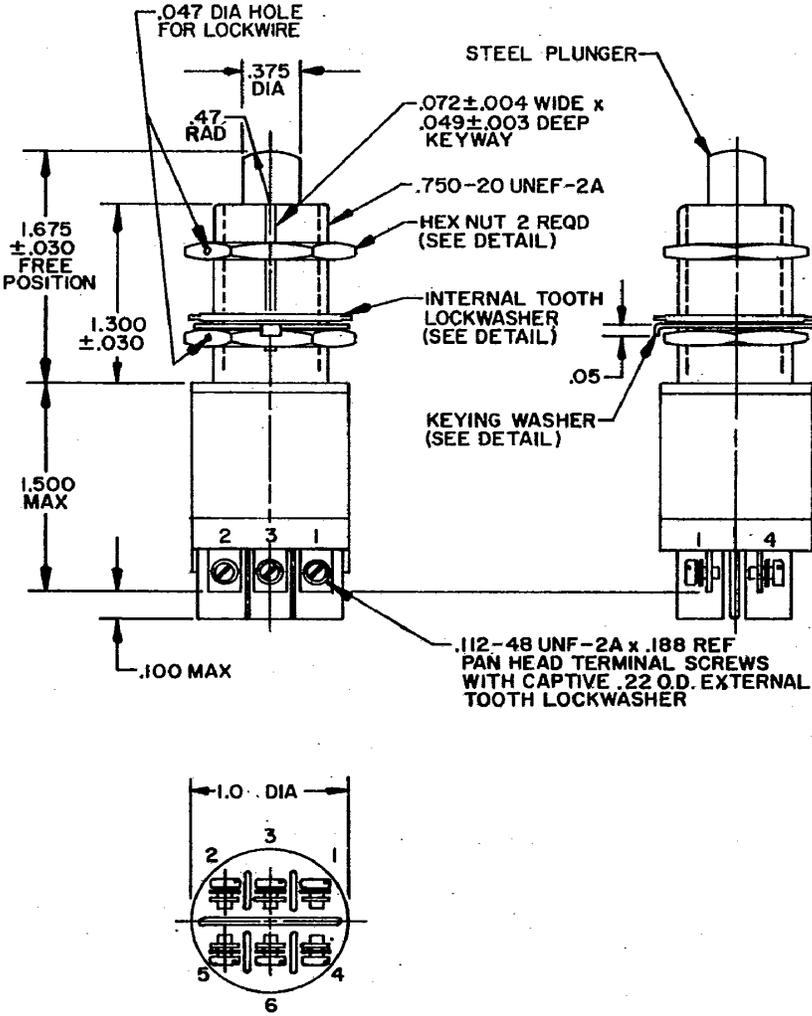
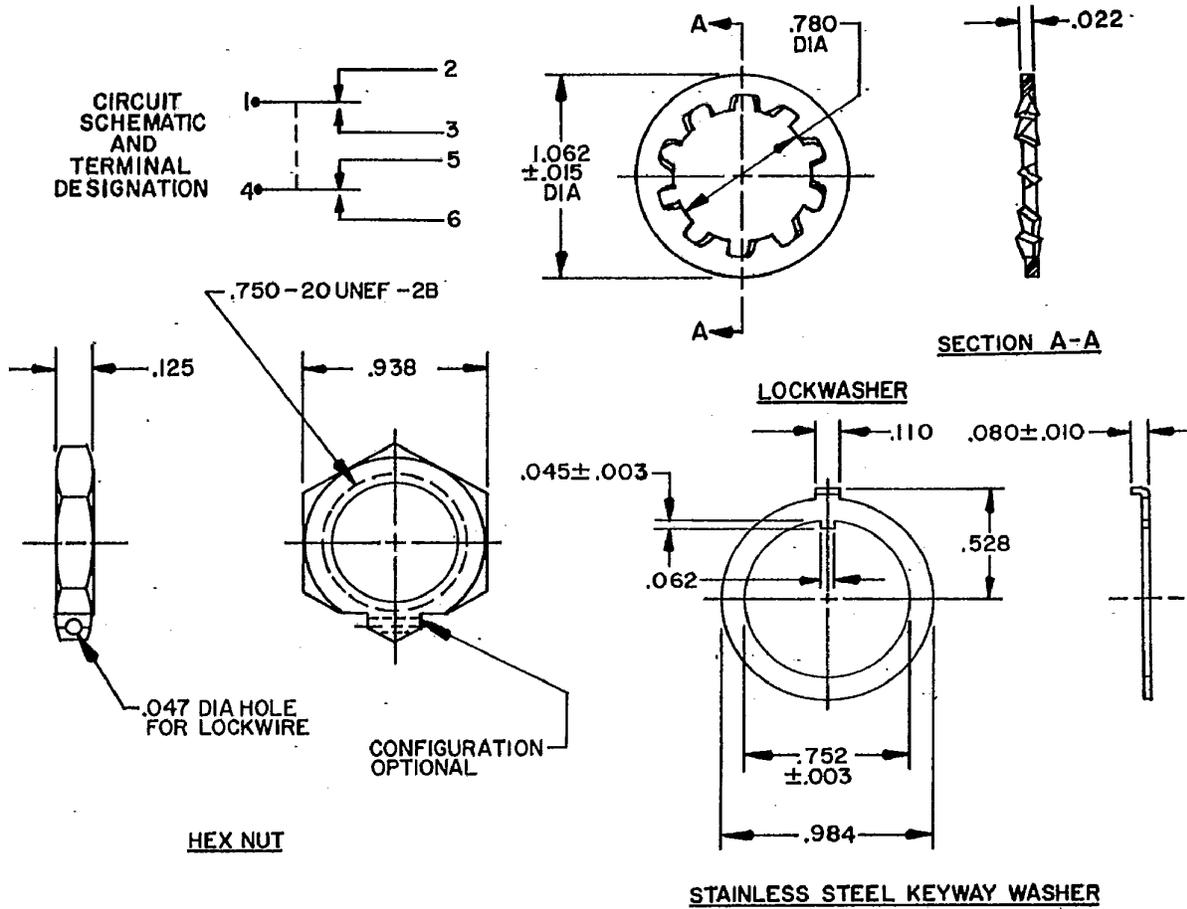


FIGURE 1. Dimensions and configuration.



inches	mm	inches	mm	inches	mm	Inches	mm
.003	.08	.049	1.24	.125	3.18	.780	19.81
.004	.10	.05	1.27	.188	4.78	.938	23.83
.010	.25	.062	1.57	.22	5.59	.984	24.99
.015	.38	.072	1.83	.375	9.53	1.0	25.40
.022	.56	.080	2.03	.47	11.94	1.062	26.97
.030	.76	.100	2.54	.528	13.41	1.300	33.02
.045	1.14	.110	2.79	.750	19.05	1.500	38.10
.047	1.19	.112	2.84	.752	19.10	1.675	42.55

**NOTES:**

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± .030 (0.76 mm) for one place decimals, ± .015 (0.38 mm) for two place decimals, and ± .005 (0.13 mm) for three place decimals.
3. Exact shape of switch optional provided dimensions specified are not exceeded.
4. The circuit and terminal designation shall be permanently and legibly marked on switch case.
5. Metric equivalents are given for general information only and are based on 1 inch = 25.4 mm..

FIGURE 1. Dimensions and configuration -Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Enclosure design: 5 (Hermetic).

Temperature characteristic: 3 (-65° to +315°C).

Shock type: M (100 g).

Vibration grade: 1 (10 to 500 Hz).

Weight: 4.50 ounces maximum.

Operating characteristics: 1/

Actuating force: 9.0 ±3.0 pounds.

Pretravel: .050 inch maximum.

Movement differential: .015 inch maximum.

Overtravel: .250 inch minimum.

Strength of pin and pin stop: 35 pounds.

Terminal strength: 15 pounds

Hardware: Hex nut; lockwasher; washer, keyway-corrosion resistant metal.

Contact resistance: Not applicable.

Moisture resistance: 1 megohm.

Dielectric withstanding voltage:

Sea level: 1,000 Vrms; 500 microampere leakage current. After electrical endurance the dielectric withstanding voltage points of application between all unconnected terminals of the same pole is not applicable.

Seal test: Watertight test not applicable.

Mechanical endurance: 25,000 cycles.

Short circuit: 10 amperes.

Electrical endurance: 25,000 cycles.

Electrical ratings: See table I.

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1/ ± 20 percent variation from specified values acceptable after test.

MIL-PRF-8805/41B

Quality assurance:

Group C: Explosion test not applicable.

Part or Identifying Number (PIN): MS24594-1.

TABLE I. Electrical ratings.

Load	Sea level
	28 V dc
	amperes
Resistive	5
Inductive	2

Custodians:

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

Preparing activity:

DLA - CC

(Project 5930-1126-12)

Review activities:

Navy – MC, SH  
Air Force - 19