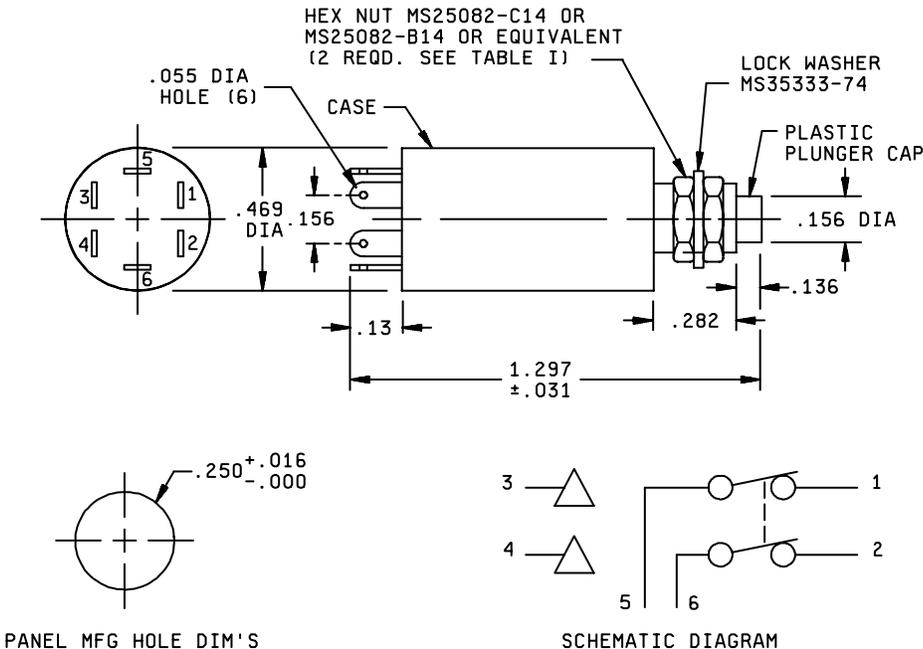


PERFORMANCE SPECIFICATION SHEET

SWITCH, PUSH, 2PDT, MOMENTARY, 1 AMPERE, UNSEALED

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.



Inches	mm	Inches	mm	Inches	mm
.015	0.38	.130	3.30	.282	7.16
.016	0.41	.136	3.45	.469	11.91
.031	0.79	.156	3.96	1.297	32.94
.055	1.40	.250	6.35		

- NOTES:
1. Dimensions are in inches.
  2. Unless otherwise specified, tolerance is ± .015 inch.
  3. Metric equivalents are given for general information only.

FIGURE 1. Configuration and dimensions.

MIL-PRF-8805/95H

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Enclosure design: I (unsealed).

Temperature characteristic: 1 (-55°C to +85°C).

Shock: 100 g's (half-sine), MIL-STD-202, method 213, test condition C.

Vibration grade: 2(10 to 2000 Hz, swept sinusoidal, 16 g's peak).

Weight: .020 pound maximum

Operating characteristics:

Total plunger travel: .093 inch (2.36 mm) minimum.

Operating force: 1.50 ±.75 pounds

Dielectric withstanding voltage:

Sea level: 1,000 V rms minimum initial and 200 V rms following electrical endurance.

Mechanical endurance: 50,000 cycles.

Low temperature cycling rate: 30 cycles per minute minimum.

Electrical endurance:

Resistive loads: 25,000 cycles;

28 V dc, 1 ampere (sea level);

115 V ac, 60 Hz, 1 ampere (sea level).

Inductive loads: 15,000 cycles:

28 V dc, 1 ampere (sea level);

115 V ac, 60 Hz, 1 ampere (sea level).

Part or Identifying Number (PIN): See table I.

MIL-PRF-8805/95H

TABLE I. PIN and characteristics.

PIN M8805/95-	Button color	Case color	Mounting nut
001	Black	Clear	MS25082-C14 <u>2/</u>
002	Red	Clear	MS25082-C14 <u>2/</u>
003	Black	Black	MS25082-B14
004	Red	Black	MS25082-B14

1/ PIN M8805/95-005 has been canceled without replacement.

2/ Alternative base metals and protective finishes, as approved by the qualifying activity, may be utilized for hexagon nut material. Dimensions shall be in accordance with the referenced hardware specifications.

Qualification inspection:

Group submission: See table II

TABLE II. Qualification inspection – group submission.

Switches for testing	Examination or test	Extent of approval
M8805/95-001	Qualification inspection table of MIL-PRF-8805: Group I – All samples Group II – 4 Samples Group IV – 2 samples Group V – 2 samples Group VI – 4 samples Group VII – 8 samples	All
M8805/95-004	Qualification inspection table of MIL-PRF-8805: Group I – All samples Group IV – 2 samples	

Custodians:

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

Preparing activity:  
DLA - CC

(Project 5930-1126-25)

Review activities:

Army – AR, AV  
Navy – AS, MC, OS, SH  
Air Force – 19