

INCH-POUND

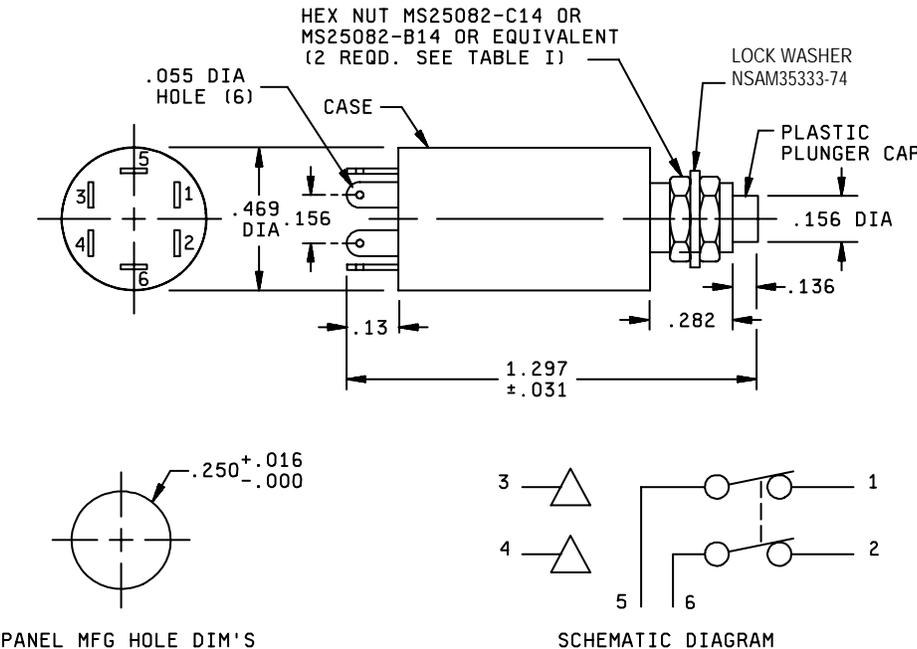
MIL-PRF-8805/95J
 19 October 2006
 SUPERSEDING
 MIL-PRF-8805/95H
 31 October 2001

PERFORMANCE SPECIFICATION SHEET

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

This specification 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 $\pm .015$ inch.
 3. Metric equivalents are given for general information only.

FIGURE 1. Configuration and dimensions.

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.

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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	

Referenced documents. In addition to MIL-PRF-8805, this document references the following:

MIL-STD-202

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

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Custodians:

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

Preparing activity:

DLA – CC

(Project 5930-2006-039)

Review activities:

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

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/>.