

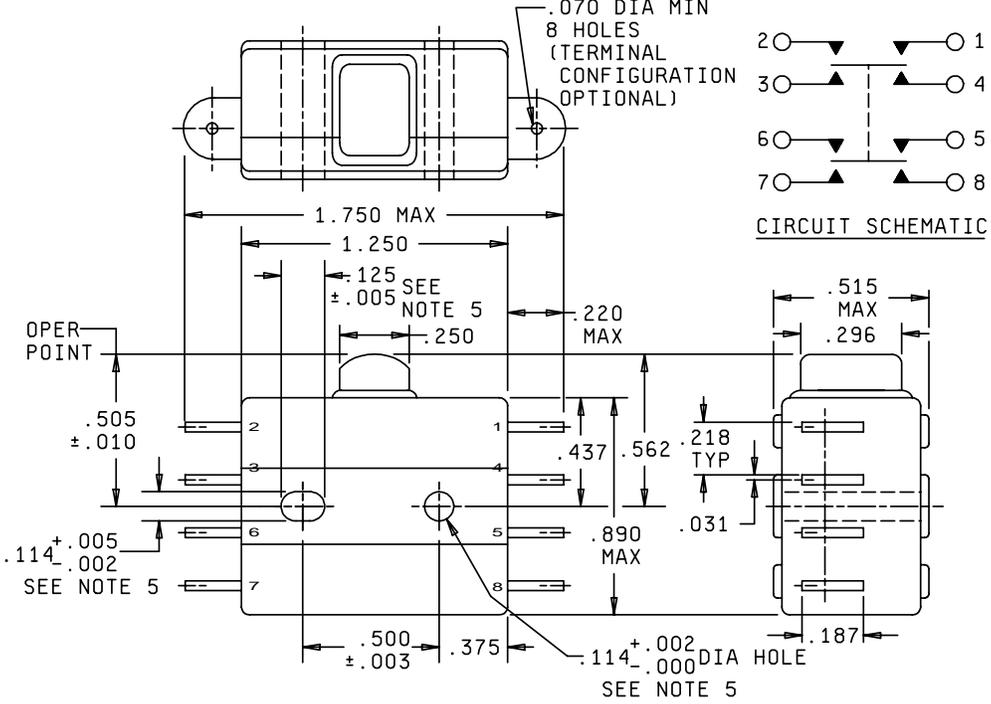
INCH-POUND

MIL-PRF-8805/15G
4 October 2004
SUPERSEDING
MIL-PRF-8805/15F
3 September 1999

PERFORMANCE SPECIFICATION SHEET
SWITCHES, SENSITIVE-MOMENTARY, 4 CIRCUIT, 15 AMPERES, UNSEALED

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

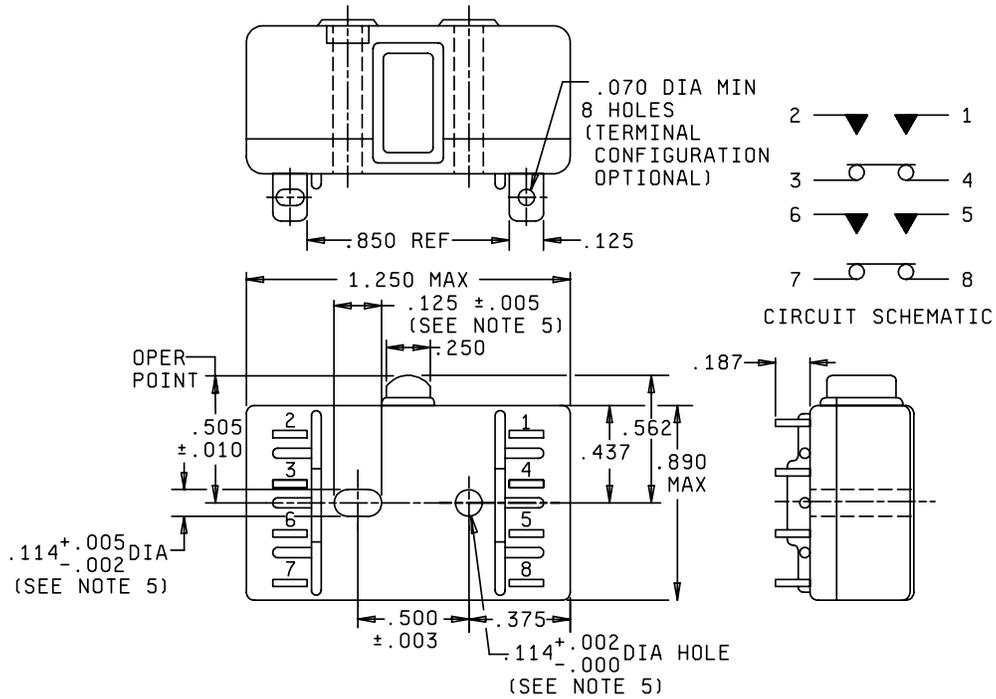
The complete requirements for acquiring the switches described herein shall consist of this specification and the latest issue of MIL-PRF-8805.



MS25348-1

FIGURE 1. Dimensions and configurations.

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Inches	mm	Inches	mm	Inches	mm
.002	0.05	.187	4.75	.505	12.83
.003	0.08	.218	5.54	.515	13.08
.005	0.13	.220	5.59	.562	14.27
.010	0.25	.250	6.35	.850	21.59
.031	0.71	.296	7.52	.890	22.61
.070	1.78	.375	9.53	.620	15.75
.114	2.90	.437	11.10	1.250	31.75
.125	3.18	.500	12.70	1.750	44.45

NOTES:

1. Dimensions are in inches.
2. Unless otherwise stated, tolerance is $\pm .015$ (0.38 mm).
3. Exact shape of switch optional provided dimensions specified are not exceeded.
4. Metric equivalents are given for general information only.
5. Dimensions shown are case mounting holes. Cover mounting holes may exceed these dimensions.
6. MS25348 and MS25349 were superseded by MIL-PRF-8805/15, MS25348 and MS25349 Part Numbers (PINS) were retained.

FIGURE 1. Dimensions and configurations (continued)

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REQUIREMENTS:

Dimensions and configurations: See figure 1.

Enclosure design: 1 (unsealed).

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

Shock type: M (100 g).

Vibration grade: 1 (10 to 500 Hz)

Weight: .03 pound maximum.

Operating characteristics:

Actuating force 2.18 pounds maximum

Movement differential..... .035 inch maximum.

Pretravel060 inch maximum.

Overtravel..... .015 inch minimum.

} ± 20 percent
variation from
specified values
acceptable after test.

Strength of actuating means: 25 pounds.

Terminal strength: 5 pounds.

Mechanical endurance: 100,000 cycles.

Electrical endurance: 50,000 cycles.

Electrical ratings: See table I.

Dielectric withstanding voltage: 1,000 V rms. After electrical endurance, the dielectric withstanding voltage points of application between all unconnected terminals of the same pole is not applicable.

Qualification:

Group submission: See table II.

Part number: See table III.

TABLE I. Electrical ratings.

Load	Sea level	
	28 V dc	115 V ac, 400 Hz
	amperes	amperes
Resistive	15	15
Inductive	10	15
Lamp	10	6

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TABLE II. Qualification inspection.

Examination or test	Basic switch	Other switch samples	Extent of approval
Qualification inspection table of MIL-PRF-8805	MS25348-1 (all sample units)	MS25349-1 (3 sample units) Visual and mechanical examination	All

TABLE III. Part numbers and characteristics.

Part number	Terminal configuration
MS25348-1	End solder terminal
MS25349-1	Side solder terminal

NOTE: MS25348 and MS25349 were superseded by MIL-PRF-8805/15, MS25348 and MS25349 Part Numbers (PINS) were retained.

Referenced Documents:
MIL-PRF-8805

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

Preparing activity:
DLA - CC

(Project 5930-1840)

Review activities:
Air Force - 19, 99
Army - AR, MI
Navy - AS, OS, MC, SH

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 www.dodssp.daps.mil.