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INCH-POUND

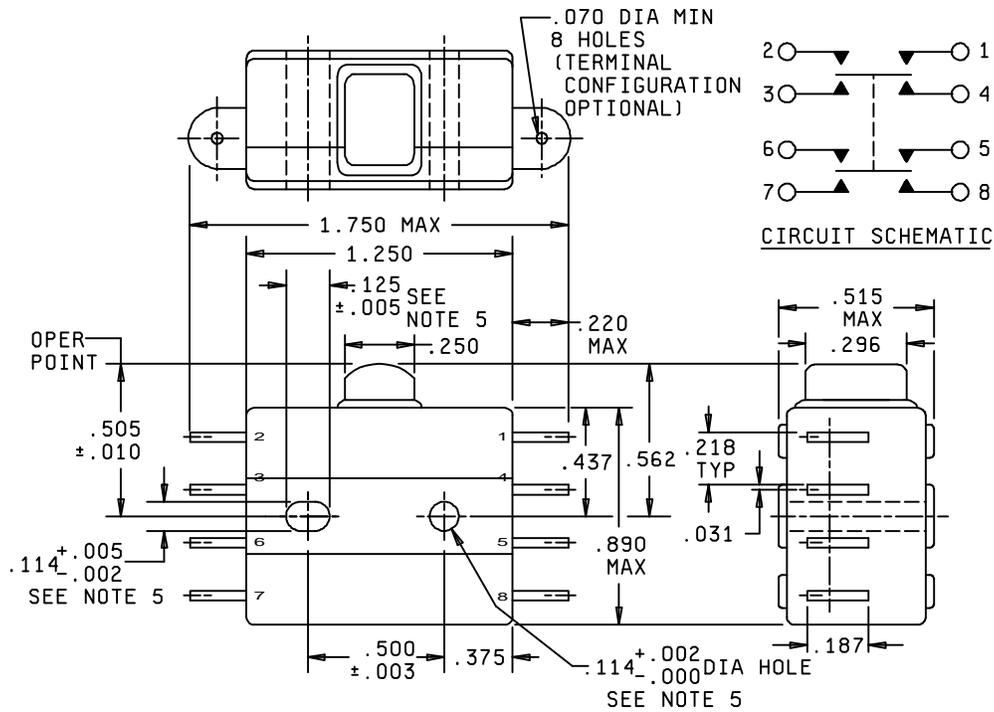
MIL-PRF-8805/15F
 3 September 1999
 SUPERSEDING
 MIL-S-8805/15E
 11 July 1972

PERFORMANCE SPECIFICATION SHEET

SWITCHES, SENSITIVE-MOMENTARY, 4 CIRCUIT, 15 AMPERES, 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.

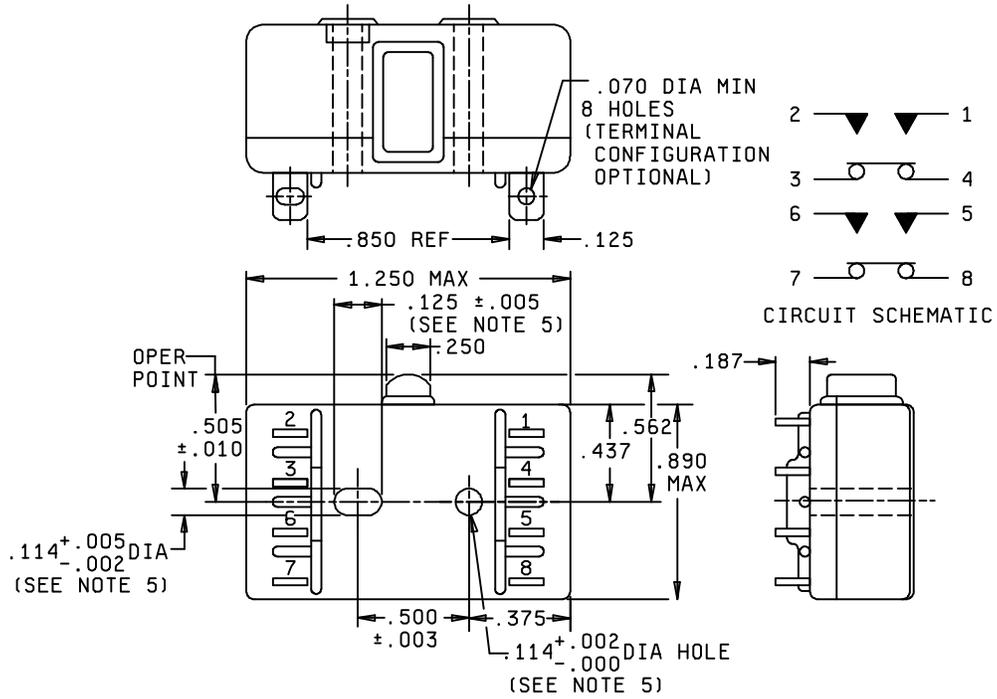
The requirements for acquiring the product described herein shall consist of this specification and MIL-PRF-8805.



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.

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 differential035 inch maximum.

Pretravel060 inch maximum.

Overtravel015 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

Custodians:

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

Preparing activity:
 DLA - CC

(Project 5930-1691-005)

Review activities:

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