

This is an advance copy of the dated document.
 The final document from Defense Printing Service
 may be slightly different in format due to electronic
 conversion process. Actual technical content will
 be the same.

INCH-POUND

MIL-PRF-8805/17F
 3 September 1999
 SUPERSEDING
 MIL-S-8805/17E
 11 July 1972

PERFORMANCE SPECIFICATION SHEET

SWITCHES, SENSITIVE-MAINTAINED, 6 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.

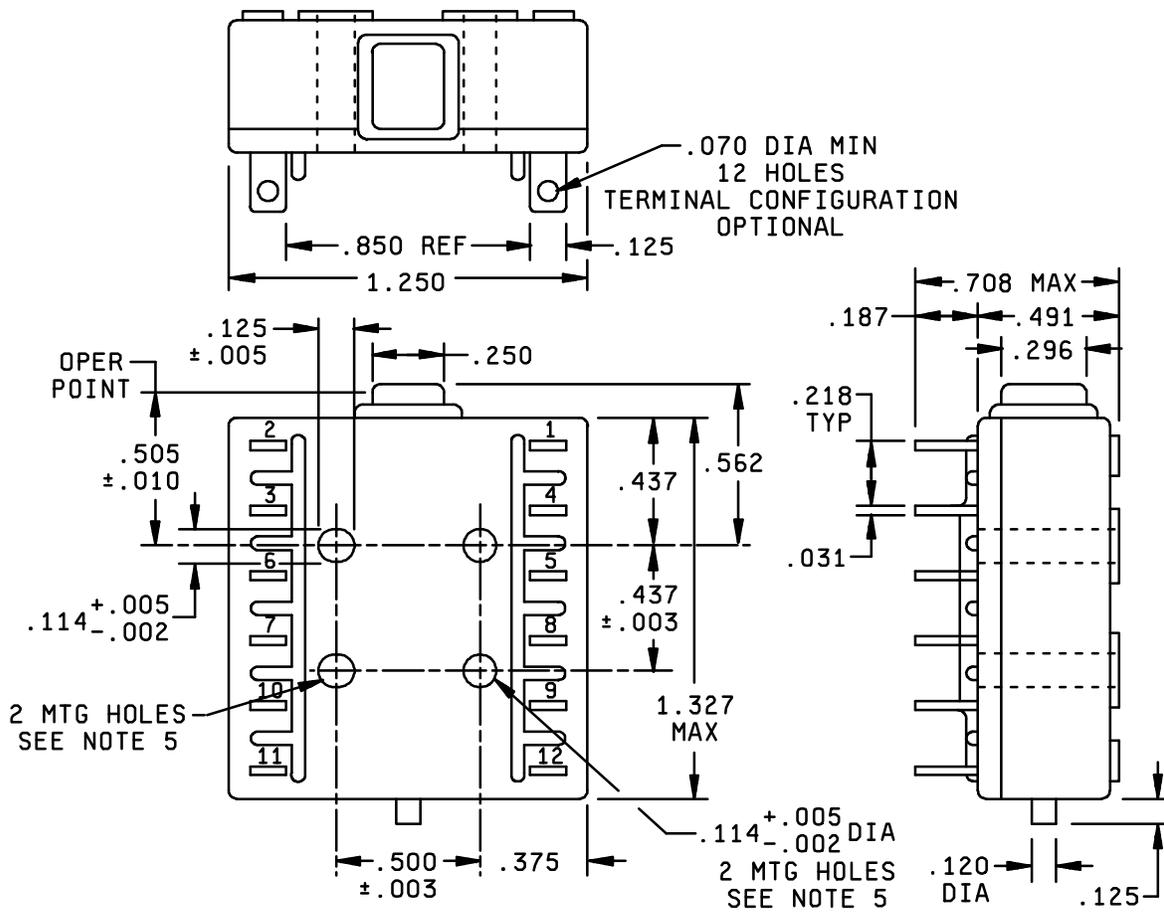
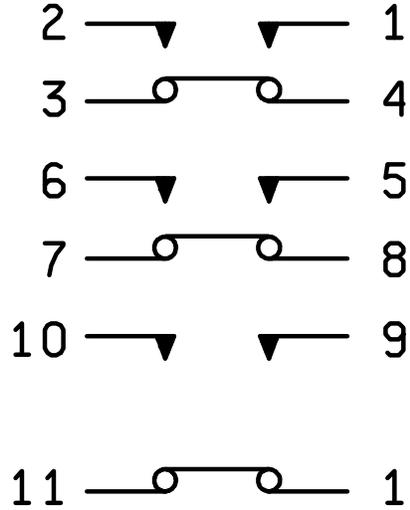


FIGURE 1. Dimensions and configurations.



CIRCUIT SCHEMATIC

Inches	mm	Inches	mm	Inches	mm
.002	0.05	.125	3.18	.500	12.70
.003	0.08	.187	4.75	.505	12.83
.005	0.13	.218	5.54	.562	14.27
.010	0.25	.250	6.35	.708	17.98
.031	0.79	.296	7.52	.850	21.59
.070	1.78	.375	9.53	1.250	31.75
.114	2.90	.437	11.10	1.327	33.71
.120	3.05	.491	12.47		

NOTES:

1. Dimensions are in inches.
2. Unless otherwise stated, tolerance is ± 0.015 (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)

MIL-PRF-8805/17F

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Enclosure design: 1 (unsealed).

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

Shock type: Method 213, test condition A, MIL-STD-202 (50 g).

Vibration grade: 1 (10 to 500 Hz)

Weight: .05 pound maximum.

Operating characteristics:

Actuating force 1.75 pounds maximum

Movement differential036 inch maximum.

Pretravel075 inch maximum.

Overtravel015 inch minimum.

Reset button:

Pretravel .075 inch maximum.

Overtravel .005 inch minimum.

Strength of actuating means: 25 pounds.

Terminal strength: 5 pounds.

Mechanical endurance: 100,000 cycles. At 0.015 +.001, -.000 inch overtravel.

Electrical endurance: 50,000 cycles.

Electrical ratings: See table I.

Dielectric withstanding voltage: 1,000 V rms.

Part number: MS25353-1.

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

MIL-PRF-8805/17F

Custodians:

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

Preparing activity:

DLA - CC

(Project 5930-1691-06)

Review activities:

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