

INCH-POUND

MIL-PRF-8805/17G  
4 October 2004  
SUPERSEDING  
MIL-PRF-8805/17F  
3 September 1999

PERFORMANCE SPECIFICATION SHEET  
SWITCHES, SENSITIVE-MAINTAINED, 6 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.

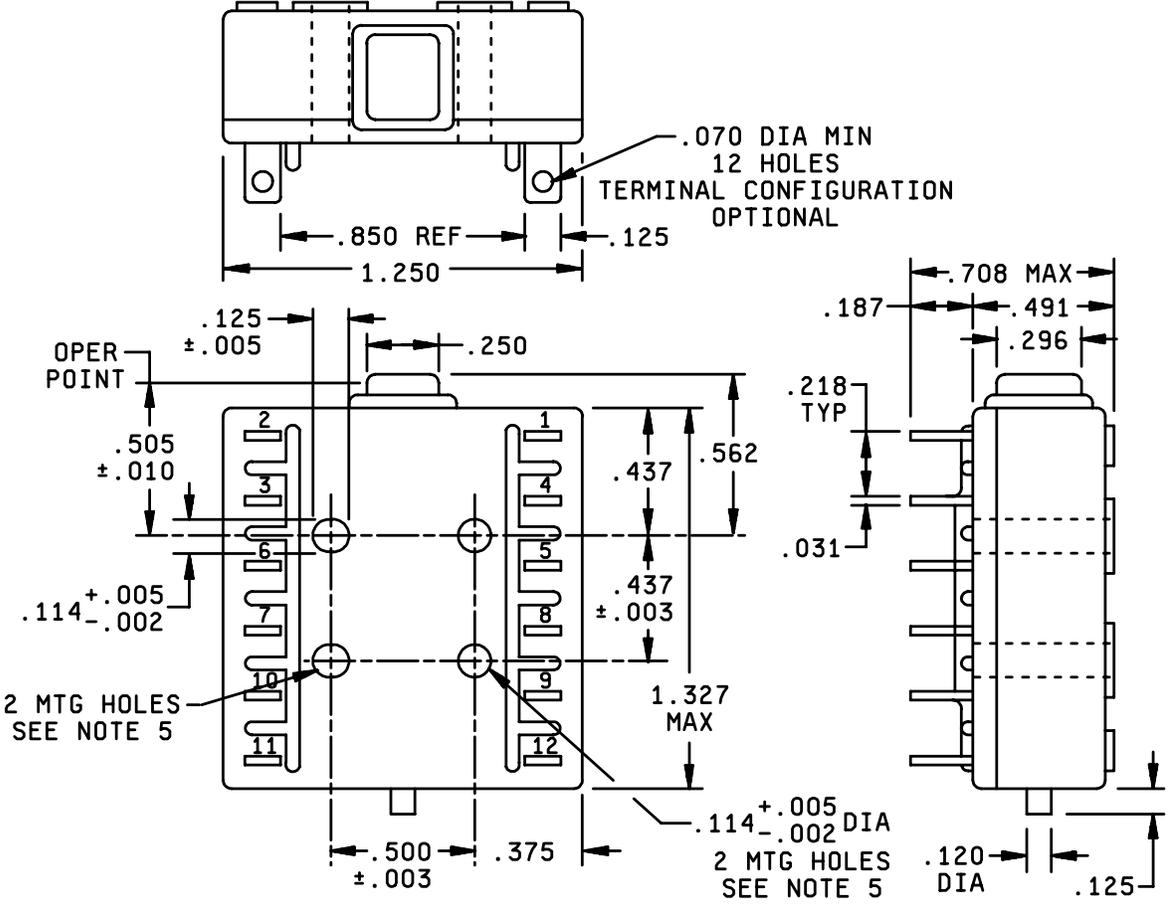
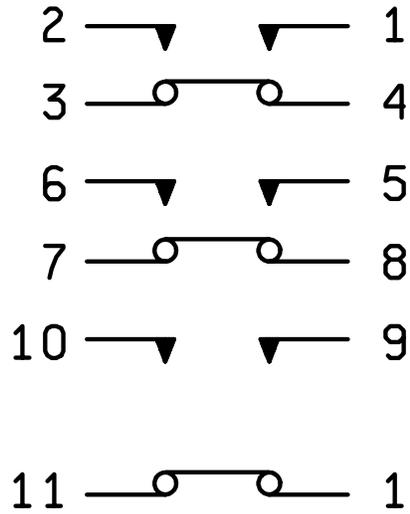


FIGURE 1. Dimensions and configurations.



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  $\pm 0.015$  (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)

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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: 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 differential ..... .036 inch maximum.

Pretravel ..... .075 inch maximum.

Overtravel ..... .015 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. (MS25353 was superseded by MIL-PRF-8805/17; the MS25353 Part Number (PIN) was retained.)

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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Referenced Documents:

MIL-PRF-8805  
MIL-STD-202

Custodians:

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

Preparing activity:  
DLA - CC

(Project 5930-1841)

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](http://www.dodssp.daps.mil).