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INCH-POUND

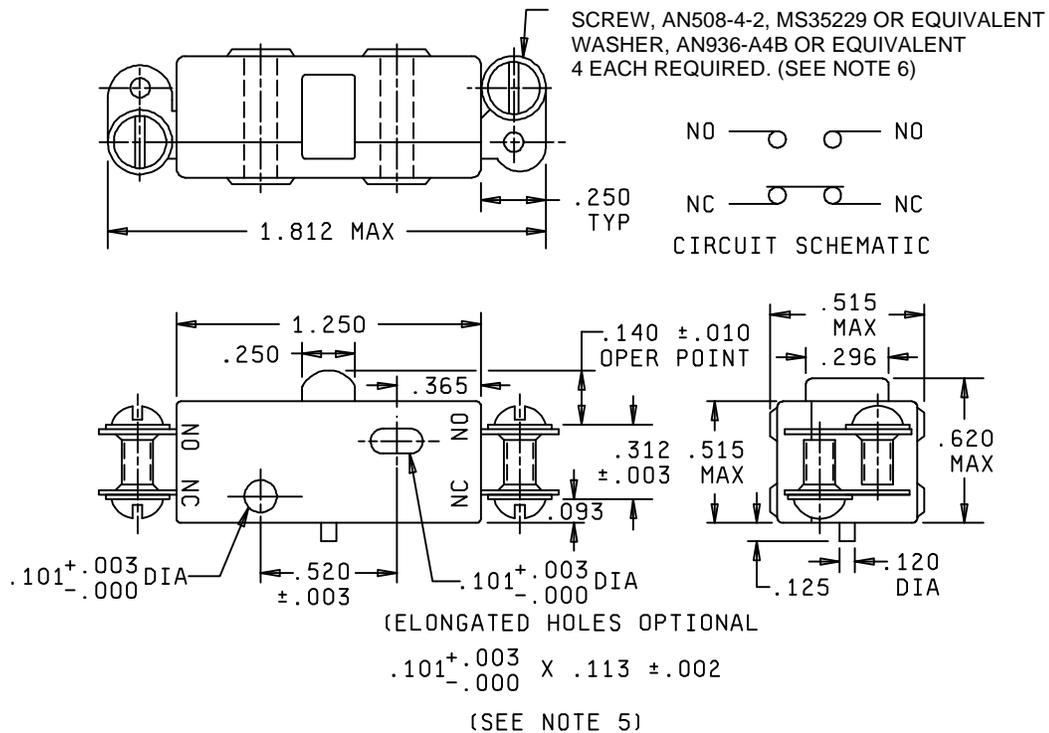
MIL-PRF-8805/14E
 3 September 1999
 SUPERSEDING
 MIL-S-8805/14D
 17 July 1972

PERFORMANCE SPECIFICATION SHEET

SWITCHES, SENSITIVE-MAINTAINED, 2 CIRCUIT, 10 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.

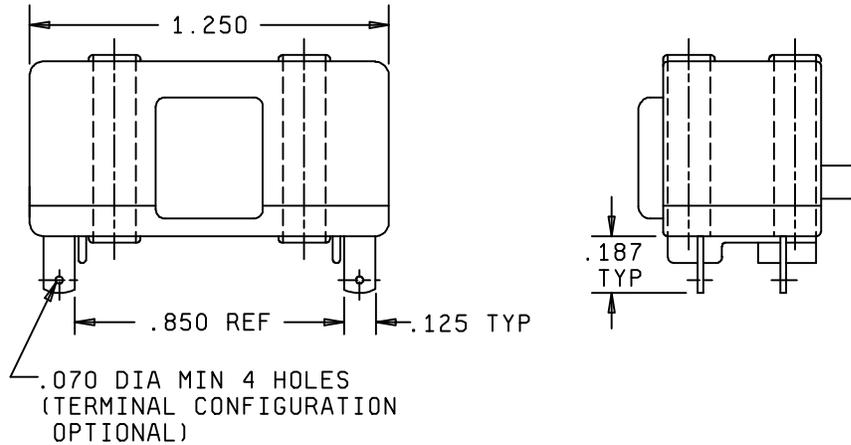
The requirements for acquiring the product described herein shall consist of this specification and MIL-PRF-8805.



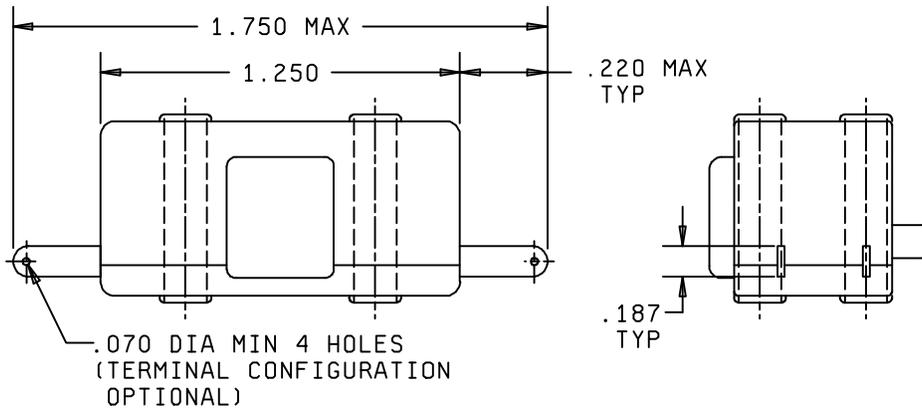
MS25347-I

FIGURE 1. Dimensions and configurations.

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MS25346-1



MS25345-1

	Inches	mm	Inches	mm	Inches	mm
	.003	0.08	.140	3.56	.515	13.08
	.010	0.25	.187	4.75	.520	13.21
	.070	1.78	.220	5.59	.620	15.75
	.093	2.36	.250	6.35	.850	21.59
	.101	2.57	.296	7.52	1.250	31.75
	.120	3.05	.312	7.92	1.750	44.45
	.125	3.18	.365	9.27	1.812	46.02

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.
6. Alternative base metals and protective finishes, as approved by the qualifying activity, may be utilized for screw and washer material. Dimensions shall be in accordance with referenced hardware specification.

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: .03 pound maximum.

Operating characteristics:

Actuating force62 pound maximum

Movement differential025 inch maximum.

Pretravel060 inch maximum.

Overtravel015 inch minimum.

Reset button:

Pretravel .060 inch maximum.

Overtravel .005 inch minimum.

±20 percent variation
from specified
values acceptable
after test.

Strength of push button and push button stop: 25 pounds.

Terminal strength: 5 pounds.

Material: Case, cover, and push button: Push button may be flame retardant glass filled with nylon which is self extinguishing.

Dielectric withstanding voltage:

Sea level: 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.

Mechanical endurance: 100,000 cycles.

Electrical endurance: 50,000 cycles.

Electrical ratings: See table I.

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	10	10
Inductive	10	10
Lamp	6	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, groups I through VIII, inclusive	MS25347-1 (all sample units)	MS25345-1 MS25346-1 (3 sample units) Visual and mechanical examination	All

TABLE III. Part numbers and characteristics.

Part number	Terminal configuration
MS25345-1	End solder terminal
MS25346-1	End solder terminal
MS25347-1	End screw terminal

Custodians:

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

Preparing activity:

DLA - CC

(Project 5930-1691-04)

Review activities:

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