



MIL-PRF-8805/28F

nches	mm	Inches	mm
.002	0.05	.13	3.30
.008	0.20	.17	4.32
.045	1.14	.18	4.57
.050	1.27	.221	5.61
.059	1.50	.25	6.35
.06	1.52	.250	6.35
.069	1.75	.276	7.01
.073	1.85	.297	7.54
.075	1.91	.32	8.13
.076	1.93	.45	11.43
.11	2.79	.53	13.46

NOTES:

1. Dimensions are in inches.
2. Unless otherwise stated, tolerance is  $\pm 0.02$  (0.51 mm) for two place decimals and  $\pm 0.005$  (.013 mm) for three place decimals.
3. Exact shape of switch optional provided dimensions specified are not exceeded.
4. Mark, stamp or mold NO, NC and C shall be permanently molded or hot stamped on adjacent area of the switch.
5. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm..

FIGURE 1. Dimensions and configuration -Continued.

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Enclosure design: 1 (Unsealed).

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

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

Sinusoidal vibration grade: 1 (10 to 500 Hz).

Weight: .60 ounce maximum.

Operating characteristics:

Actuating force: 7.05 ounces maximum.  
Movement differential: .003 inch maximum.  
Pretravel: .015 inch maximum.  
Overtravel: .005 inch minimum.

Strength of actuating means: 25 pounds.

Terminal strength: 5 pounds

Material:

Plunger: May be glass filled nylon.

Mechanical endurance: 50,000 cycles at .005 +.001, -.000 inch overtravel.

Electrical endurance: 25,000 cycles.

Electrical ratings: See table I.

Contact resistance (following electrical endurance): Shall not exceed 2 percent of the load impedance.

TABLE I. Electrical ratings.

Load	Sea level	
	28 V dc amperes	115 V ac, 400 Hz amperes
Resistive	7.5	7.5
Inductive	2.5	7.5
Motor	1.0	1.0

Part or Identifying Number (PIN): MS28134-1

Custodians:

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

Preparing activity:  
DLA - CC

(Project 5930-1126-09)

Review activities:

Army – AR, AV, MI  
Navy - AS, MC  
Air Force - 19