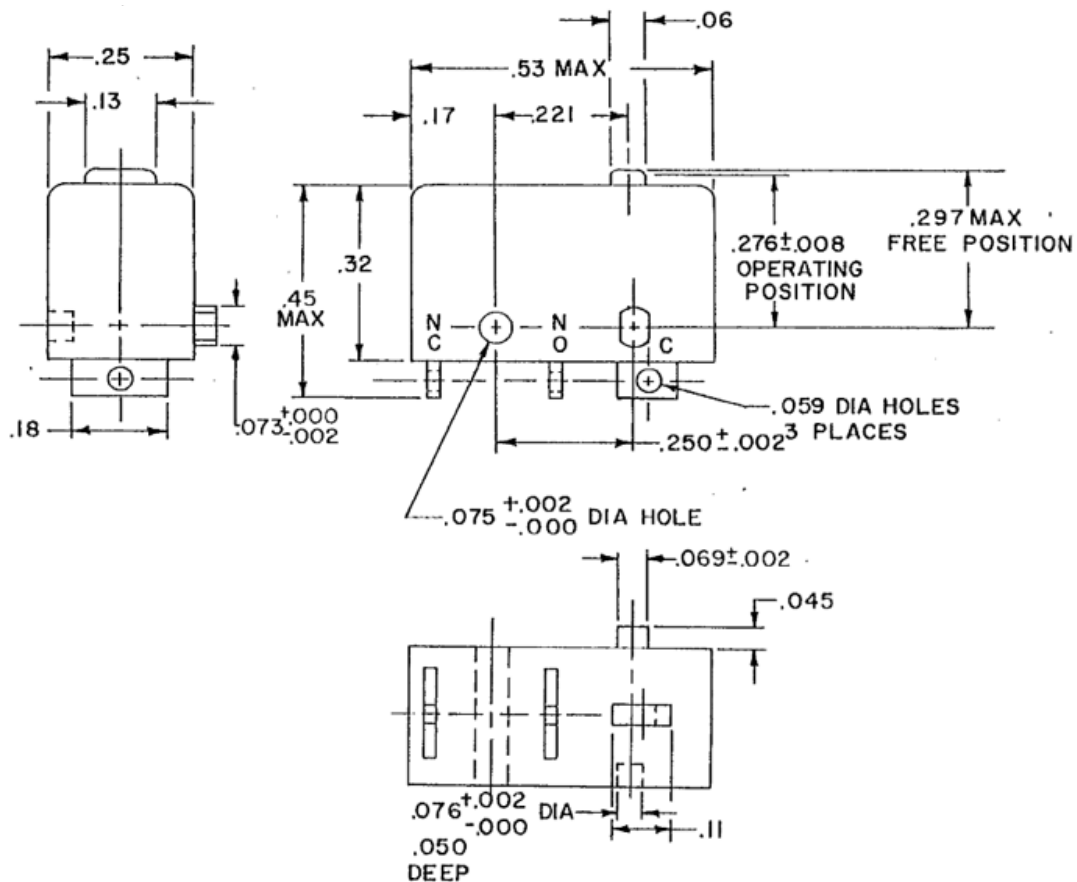


PERFORMANCE SPECIFICATION SHEET

SWITCHES, SENSITIVE, MOMENTARY SPDT, 7.5 AMPERES, UNSEALED

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the switches described herein shall consist of this document and [MIL-PRF-8805](#).



NOTES:

1. Dimensions are in inches.
2. Unless otherwise stated, tolerance is $\pm .02$ for two place decimals and $\pm .005$ 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.

FIGURE 1. Dimensions and configuration.



MIL-PRF-8805/28H

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Enclosure design: 1 (Unsealed).

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

Shock type: Test condition A, [MIL-STD-202-213](#) (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	115 V ac, 400 Hz
	amperes	amperes
Resistive	7.5	7.5
Inductive	2.5	7.5
Motor	1.0	1.0

Part or Identifying Number (PIN): MS28134-1

Reference documents:

[MIL-PRF-8805](#) [MIL-STD-202-213](#)

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the previous issue.

Custodians:

Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2024-034)

Review activities:

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

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 <https://assist.dla.mil/>.