

DETAIL SPECIFICATION SHEET

SWITCH, PRESSURE, ABSOLUTE TYPE I, 5 AMPERES, 24.5 ± .5 INCHES HG

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-DTL-9395.

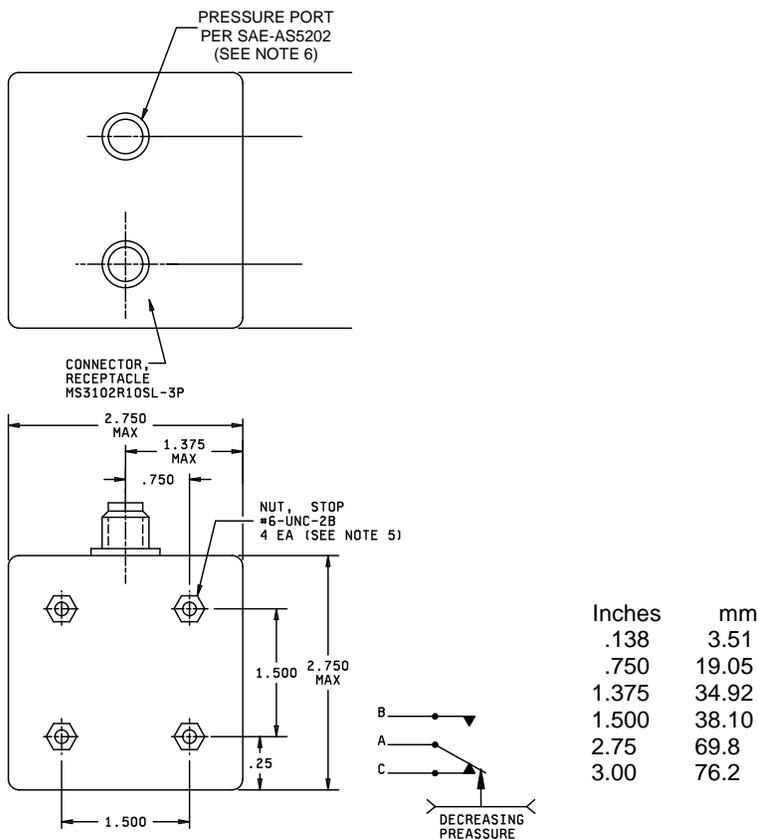


FIGURE 1. Dimensions and configuration.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and based upon 1.00 = 25.4 mm.
3. Unless otherwise specified, tolerance is $\pm .02$ (.51 mm).
4. Exact shape of switch optional provided dimensions are not exceeded.
5. Switches shall be furnished with .138-32 UNC-2B self-locking nuts and .138-32 round-head brass machine screws. Screws shall have a durable dull black finish and shall be of sufficient length to permit mounting on a .188 (4.78 mm) thick panel.
6. See marking requirements.

FIGURE 1. Dimensions and configuration - Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Weight: Not to exceed 1 pound (453.6 grams).

Calibration: Switch shall activate at $24.5 \pm .5$ inches Hga on decreasing pressure with a differential of 3.5 ± 1 inches Hga. After factory calibration thread lock shall be used on the adjustment port threads.

Proof pressure: 65 inches Hga.

System pressure: Not applicable.

Burst pressure: Not applicable.

Electrical ratings:

Operating voltage: 28 V dc.

Current rating: 5 amperes resistive.

Seal:

Electrical chamber: Unsealed.

Pressure chamber: Hermetic.

Reference chamber: Unsealed.

Electrical connector: See figure 1.

Pressure port: See figure 1.

Media: Air.

High temperature (operating and nonoperating): A (+160°F).

Low temperature (operating and nonoperating): D (-65°F).

Altitude: C (70,000 ft).

Shock: A (50 G).

Vibration: S (test condition A, 10-500 Hz, 10 G):

Life mechanical: A (100,000 cycles).

Life electrical: B (25,000 cycles).

Acceleration: C (8 G).

Pulsation amplitude: A (0 %).

Pulsation frequency: A (0 Hz).

Dielectric withstanding voltage (at reduced barometric pressure): Applicable.

Connector torque: Applicable

Terminal strength: Applicable.

Marking: The pressure switch case shall be permanently marked "LOW PRESSURE WARNING SWITCH" and "24.5 +/- 0.5 In Hga" on the side opposite the mounting screws. In addition, the pressure port end of the unit shall be marked as follows: "CAUTION: DO NOT BLOW IN PRESSURE PORT"

Part number: M9395/49-01.

MIL-DTL-9395/49

Referenced Documents:

MIL-DTL-9395
SAE-AS5202

Custodians:

Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5930-2015-003)

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/>.