

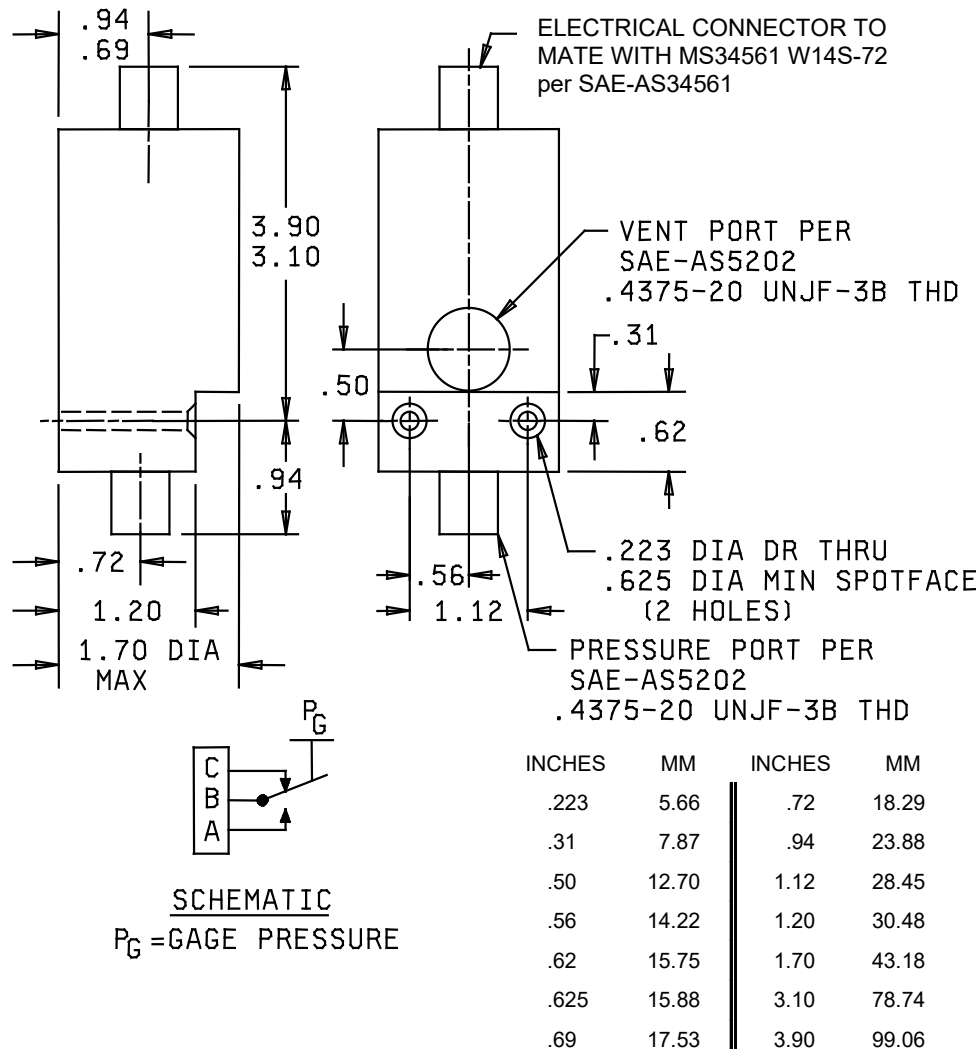
DETAIL SPECIFICATION SHEET

SWITCHES, PRESSURE, (GAGE),

TYPE II, SPDT, 4 AMPERES

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

The complete requirements for procuring the pressure switches described herein shall consist of this document and the latest issue of Specification [MIL-DTL-9395](#).

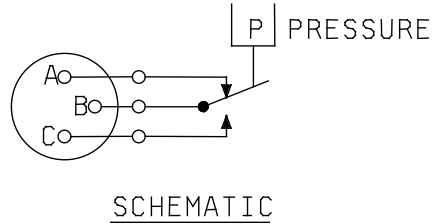
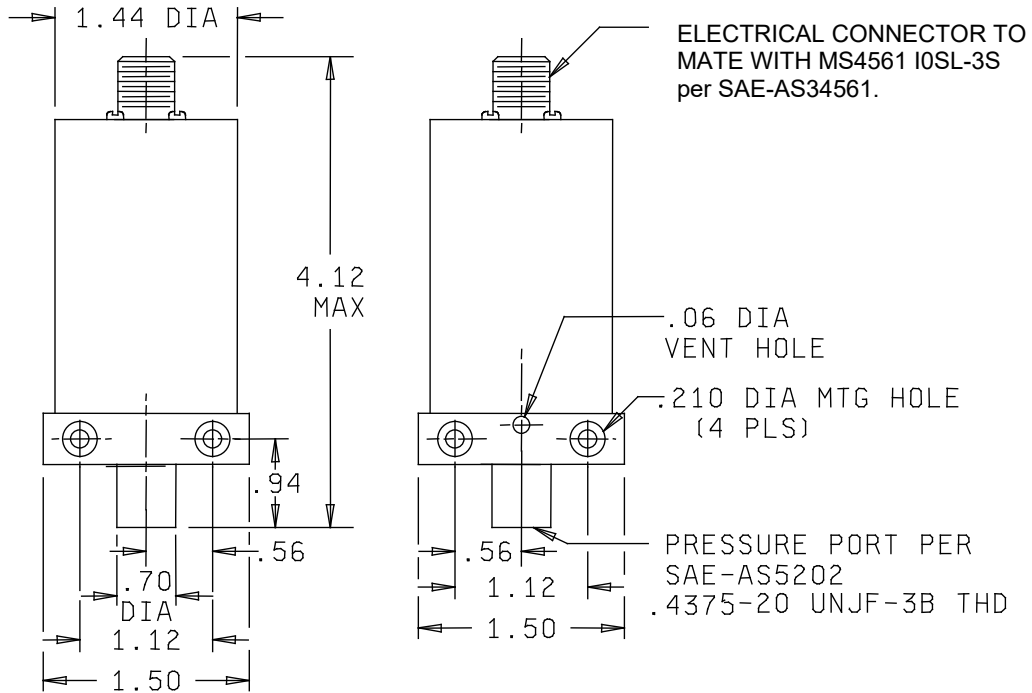


Configuration 1

FIGURE 1. Switches.



MIL-DTL-9395/2F



INCHES	MM	INCHES	MM
.06	1.5	1.12	28.4
.210	5.33	1.44	36.6
.56	14.2	1.50	38.1
.70	17.8	4.12	104.6
.94	23.9		

Configuration 2

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1 inch = 25.4 mm.
3. Unless otherwise specified, tolerances are ± 0.005 (.13 mm) for three decimals and ± 0.02 (.51 mm) for two decimals.
4. Exact shape of switch optional provided dimensions specified are not exceeded.
5. Schematic illustrated at sea level barometric pressure 29.92 in (759.97 mmHg).

FIGURE 1. Switches - Continued.

REQUIREMENTS:

Dimensions, configuration, and electrical schematic: See figure 1.

Weight: 9 ounces maximum.

Calibration: See table I.

Proof pressure: 4,500 lb_f/in².

Vent port proof pressure (configuration 1 only): Leakage from the return vent port shall not exceed 1 drop per minute with system pressure applied to pressure port.

System pressure: 3,000 lb_f/in².

Burst pressure: 7,500 lb_f/in².

Electrical ratings:

Operating voltage - 28 Vdc.

Current rating - 4 amperes resistive.

2 amperes inductive (L/R ratio = .026)

Seal:

Electrical chamber: Unsealed.

Pressure chamber: Water tight.

Reference chamber: Unsealed.

Media: Hydraulic fluid per [MIL-PRF-6083](#), [MIL-PRF-46170](#), [MIL-PRF-83282](#) or [MIL-PRF-87257](#).

High temperature (operating and nonoperating): B (+275°F).

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

Altitude: C (70,000 feet).

Shock: C (100 G).

Vibration: S (test condition D, [MIL-STD-202-204](#), except 10 - 2,000 Hz, 20 G).

Life:

Mechanical - A (100,000 cycles).

Electrical - A (100,000 cycles).

Acceleration: B (4 G).

Pulsation amplitude: C (5 percent).

Pulsation frequency: D (500 ±50 Hz).

Pressure rise: F (500,000 lb_f/in²).

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

Connector torque: Applicable.

Part number: M9395/2- (dash number from table I).

TABLE I. Dash number and pressure switch settings.

Dash no.	Pressure switch settings		Minimum dead band lb _f /in ²	Configuration
	Increasing lb _f /in ²	Decreasing lb _f /in ²		
01	1,200 ±250	By 700	100	1
02	2,900 ±150	By 2,400	200	1
03	By 2,000	At 1,700 ±100	---	2
04	By 2,875	At 2,600 ±100	---	2

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.

Referenced documents. In addition to [MIL-DTL-9395](#), this specification sheet references the following documents.

[MIL-PRF-6083](#)
[MIL-PRF-46170](#)
[MIL-PRF-83282](#)
[MIL-PRF-87257](#)
[MIL-STD-202-204](#)
[SAE-AS5202](#)
[SAE-AS-34561](#)

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

Preparing activity:
 DLA - CC

(Project 5930-2022-045)

Review activities:
 Navy - AS, MC

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/>.