

INCH-POUND

MIL-DTL-9395/6E

12 August 2024

SUPERSEDING

MIL-DTL-9395/6D

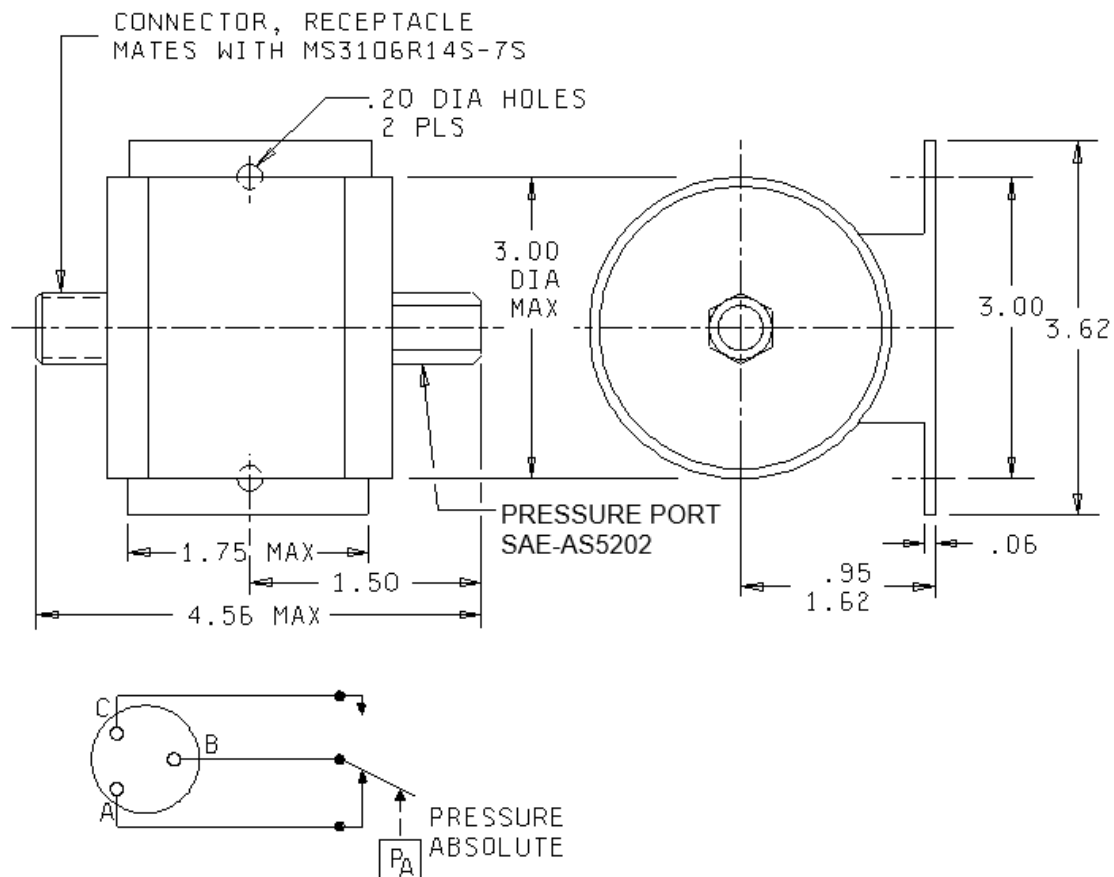
24 September 2018

DETAIL SPECIFICATION SHEET

SWITCHES, PRESSURE (ABSOLUTE), TYPE I, SPDT, 3 AMPERES

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](#).



NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm .02$.
3. Exact shape of switch optional provided dimensions specified are not exceeded.
4. MS3106R14S-7S details are found in [SAE-AS31061](#)

FIGURE1. Switches.

AMSC N/A

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FSC 5930



TABLE I. Dash number and pressure settings.

Dash number	Pressure switch settings	
	Increasing	Decreasing
	<u>psia</u>	<u>psia</u>
01	72 ⁺⁰ ₋₁	70 $\pm$ 1
02	52 ⁺⁰ ₋₁	50 $\pm$ 1

REQUIREMENTS:

Dimensions, configuration, and electrical schematic: See figure.

Weight: Not to exceed 0.7 pound.

Calibration: See table I.

Proof pressure: 150 psia.

System pressure: 100 psia.

Burst pressure: 260 psia.

Electrical ratings:

Operating voltage: 28 V dc.

Current rating: 3 amperes resistive.

1 ampere inductive.

Seal:

Electrical chamber: Hermetic.

Pressure chamber: Hermetic.

Reference chamber: Hermetic.

Electrical connector: See figure.

Pressure port: See figure.

Media: Dry air; nitrogen; fuel IAW [MIL-DTL-5624](#); lubricating oil IAW [MIL-PRF-7808](#); or hydraulic fluid IAW [MIL-PRF-6083](#).

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

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

Altitude: C (70,000 ft).

Shock: C (100 G).

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

Life (mechanical): A (100,000 cycles).

Life (electrical): C (50,000 cycles).

Acceleration: C (8 G).

Pulsation amplitude: A (0%).

Pulsation frequency: A (0 Hz).

Pressure surge: A (less than 100 psi/sec).

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

Connector torque: Applicable.

Part number: M9395/6-(dash number from table I).

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Referenced Documents:

[MIL-DTL-5624](#)
[MIL-PRF-7808](#)
[MIL-PRF-6083](#)
[MIL-DTL-9395](#)
[MIL-STD-202-204](#)
[SAE-AS31061](#)
[SAE-AS5202](#)

Custodians:

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

Preparing activity:

DLA - CC

(Project 5930-2024-046)

Review activities:

Navy - MC, SH

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/>.