

PERFORMANCE SPECIFICATION SHEET

SWITCHES, PUSHBUTTON, MOMENTARY, DOUBLE POLE, 4 AMPERES, LOW LEVEL, SEALED

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-PRF-8805.

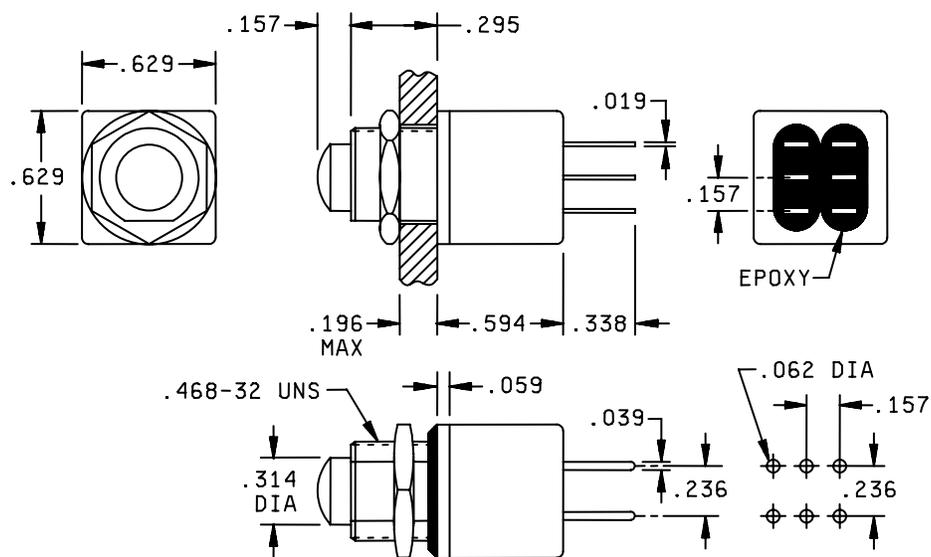


FIGURE 1. PC Terminals, Short Plunger.

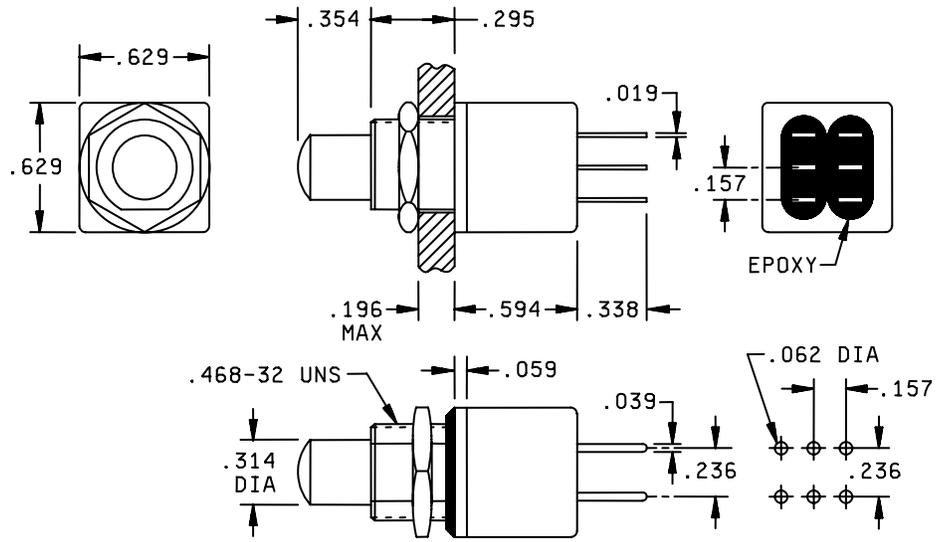


FIGURE 2. PC Terminals, Long Plunger.

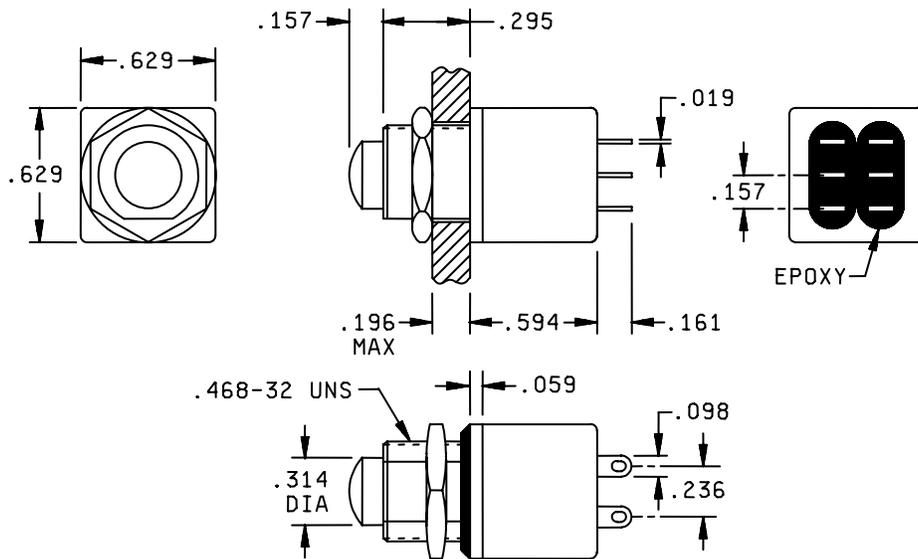


FIGURE 3. Solder Lug Terminals, Short Plunger.

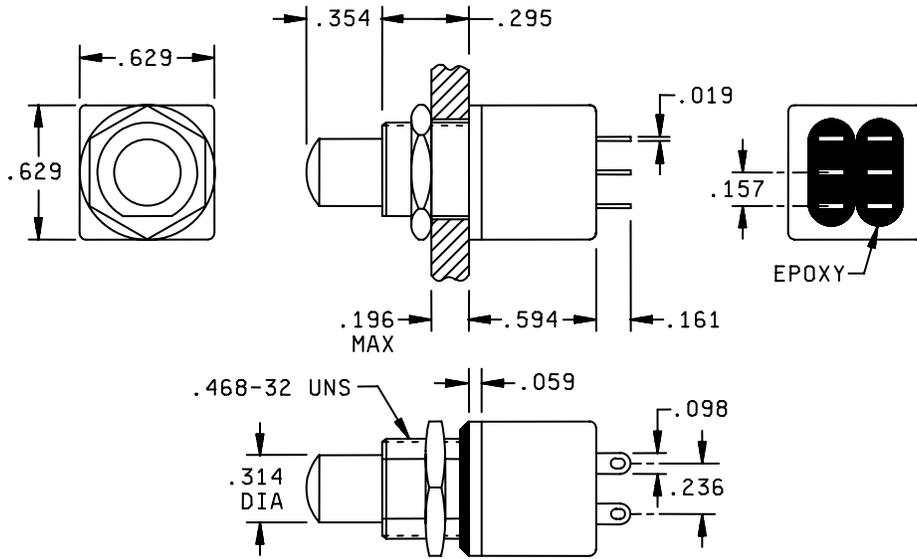


FIGURE 4. Solder Lug Terminals, Long Plunger.

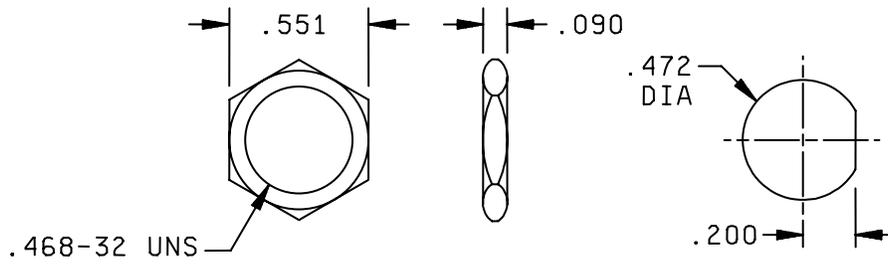


FIGURE 5. Standard Hardware and Panel Cut-out.

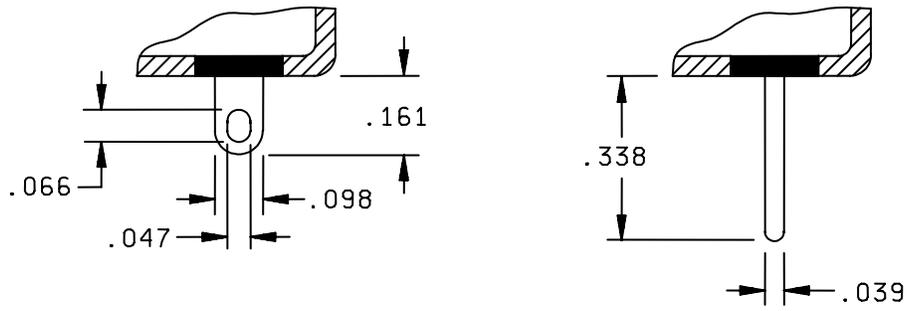
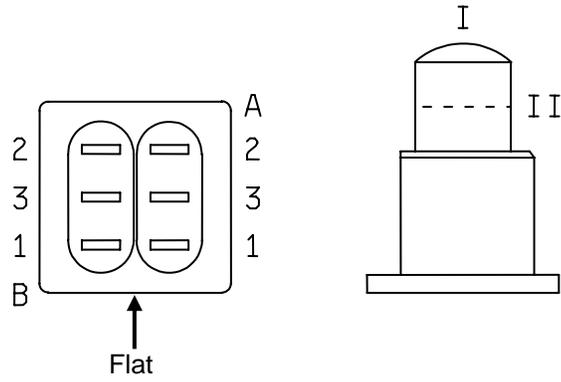


FIGURE 6. Terminal Dimensions.



BUTTON POSITION and CONNECTIONS	
I ON	II MOM
A 1-2	A 1-3
B 1-2	B 1-3

FIGURE 7. Connections and Positions.

REQUIREMENTS:

Enclosure Design: 3 (watertight).

Temperature characteristic: -40°C to +85°C.

Shock type: (50 g's sine wave) method 213, test condition A, MIL-STD-202.

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

Operating characteristics:

Total plunger travel: .078 inch.

Finish: Shall be corrosion resistant, black and lusterless.

Dielectric withstanding voltage:

- Sea level: 1,000 V rms between terminals
- 2,000 V rms between poles
- 2,000 V rms between terminals and frame

Electrical endurance:

- At 2A, 250VAC or 4A, 2VDC: 10,000 cycles.
- At low level (50mV, 10mA): 20,000 cycles.

Electrical ratings: 2A @ 250 VAC. 4A @ 125 VAC, 4A @ 28VDC.  
Minimum Load:10mA @ 50 mV

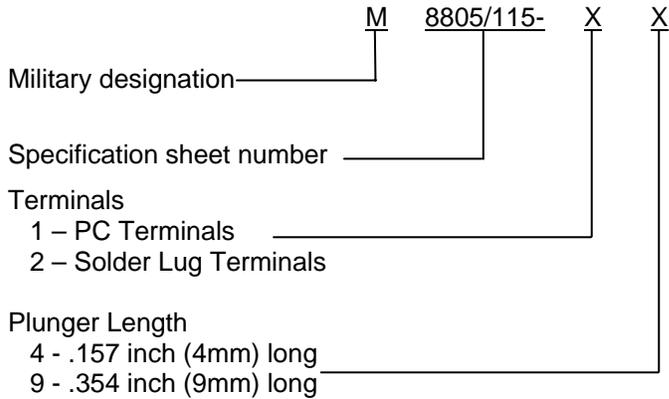
Contact bounce: 2ms max.

Sand and dust: Applicable.

Low level circuit: Applicable.

Qualification: Inspection table of MIL-PRF-8805

Military Part or Identifying Number (PIN): The PIN shall consist of the prefix M8805/115, followed in order by the appropriate numeric designator for terminal style and plunger length.



Example: M8805/115-29: Solder Lug Terminals, .354 inch Plunger

Referenced Documents:

MIL-PRF-8805  
MIL-STD-202

Custodians:

Navy – EC  
DLA – CC

Preparing activity:

DLA - CC

(Project 5930-2006-059)

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 <http://assist.daps.dla.mil/>.