

SW44418

Sub Panel Mount, SPST - 2PDT Potentiometer + Pushbutton Switch For Edgelit Panels

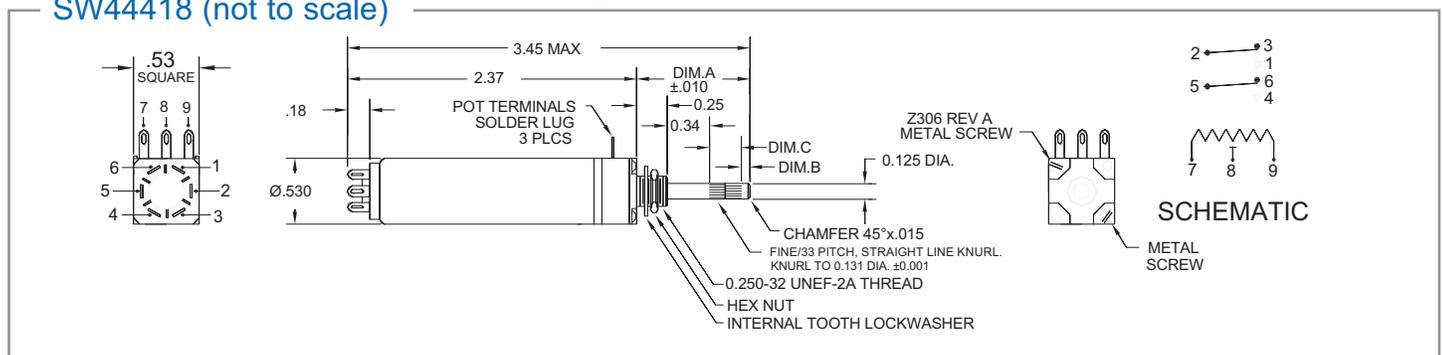


ELECTRO-MECH
COMPONENTS



- ♦ combination pushbutton switch with rotary potentiometer
- ♦ momentary or alternate action (remain-in) switching actuations
- ♦ ideal for volume control functions
- ♦ optional edgelit knob for edgelit (aircraft) panels

SW44418 (not to scale)



Specifications:

Switch:

Ratings: 30 volts DC or 125 volts AC;
2.0A resistive, 0.5A inductive

Weight: 1.0 oz. (28g) (approx.)

Operating Pressure: 2 lbs. ± 1 lb.

Plunger Travel: 0.240 ± 0.010 ($6.10 \pm 0.25\text{mm}$)

Actuations: 100,000 minimum

Contacts: Silver plated (gold plating optional)

Terminals: Standard EMC solder lug.
Accepts two 20 AWG wires.
PC pin terminals also available.

Knob: Edgelit knob optional.

Plunger Differential: 0.150 ± 0.010 ($3.81 \pm 0.25\text{mm}$)

Potentiometer:

Resistance Tolerance: +10%

Elec. & Mech. Rotation: $295^\circ \pm 5^\circ$

Effective Rotation: $250^\circ \pm 5^\circ$

End Resistance: 4 ohms max. linear

Dielectric Strength: 900 VAC for 60 seconds ATM

Working Voltage: 350 VDC across terminals

Dynamic Noise: 3% of total resistance

Voltage Coefficient: 0.008%/volt max.

Rotational Life: 25,000 cycles min.

Power Rating: 1 watt @ 85°C

Torque Rating: 0.2 to 4.5 oz.-in.

Operating Temperature: -55°C to $+150^\circ\text{C}$

Stop Torque: 3 lb.-in.

Functional Output: Linear or Tapered

Element: Cermet or Plastic

Notes:

1. Plunger differential for push-on/remain-in/push-off switches is $0.150 + 0.010$.
2. The potentiometer shaft can be manufactured with a flat or be knurled at the end of the shaft for knob mounting. EMC can furnish the assembly with a knob or the customer can procure knobs separately.
3. The potentiometer terminals can be either solder lug terminals, straight PC pins, or hooked PC pins.

How to Order:

Please call the factory for a copy of a specific configuration drawing. All configurations are assigned a custom (SW) drawing number in the sequence SW4xxxx.

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