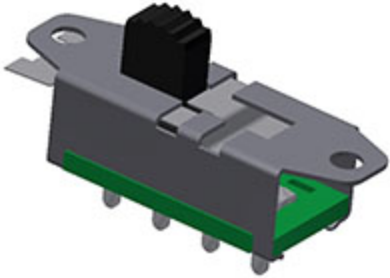


**CW INDUSTRIES**

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Email: [info@cwind.com](mailto:info@cwind.com) • Website: <http://www.cwind.com>**Item # G-127L-0009, Top Actuated Panel Mount Miniature Slide Switches (Swidgets)**

[Check Distributor Stock](#) · [Specifications](#) · [Materials](#) · [Performance Standards](#) · [Care in Switch Installation](#)

**Check Distributor Stock**

Check Distributor Stock	<a href="#">MICROWAVE COMPONENTS INC</a>
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**Specifications**

Circuitry	SP3P
Switch Function	ON-ON-ON
Electrical Ratings	0.5 A @ 125 VDC 3 A @ 125 VAC
Actuator Style & Color	Radius Knurled - Black
Actuator Options	<a href="#">Miniature Slide Switch Actuator Options</a>
Actuator Height	0.200 in.
Topper Options	<a href="#">Miniature Slide Switch Actuator Topper Options</a>
Detent	Long
Mounting	Mounting Ears
Mounting Options	<a href="#">Miniature Slide Switch Mounting Options</a>
Terminal	PC
Terminal Options	<a href="#">Miniature Slide Switch Terminal Options</a>
Solder Shield	Vulcanized Fiber Shield 0.020" thick that fits over the switch terminals is also available
Listing Agency (Consult drawing or factory for specific rating) <sup>1</sup>	 Listed Agencies
Compliance	

<sup>1</sup> Due to ongoing advancements, additional agency certifications may be available, contact us for more information.

**Materials**

Button Material	Nylon 6/6
Housing	Zinc Plated Cold Rolled Steel
Moving Contact	Copper Alloy
Moving Contact Plating	Silver is standard. Gold plating is an option, consult factory.
Moving Contact Spring	Beryllium Copper Phosphor Bronze

<b>Terminals</b>	Copper Alloy
<b>Terminal Plating</b>	Silver is standard. Gold plating is an option, consult factory.
<b>Terminal Board</b>	NEMA Grade XP Phenolic Laminate
<b>Note</b>	Other materials to suit your application are available if volume is sufficient. Contact us for more information.

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### Performance Standards

CW switches are designed to perform to the standards listed when operated within ambient conditions detailed below:

**Operating Temperature** - 105°C maximum, -20°C minimum.

**Relative Humidity** - Switches will be operable and insulation resistance shall be greater than 100 megohms if allowed to dry for 100 hours at room temperature of 25°C and after exposure for one hour in an atmosphere having 95% relative humidity and a temperature of 50°C

**High Voltage Breakdown** - Minimum of 1000 volts RMS 60 Hz for one minute between parts of opposite polarity.

**Contact Resistance** - Less than 0.01 ohm at 20 milliamperes DC.

**Life Cycling (No Load)** - Switches will be operative after 10,000 (minimum) cycles at the rate of 10 cycles per minute.

**Life Cycling (Load)** - Switches will be operative after 6000 (minimum) cycles at the rate of 10 cycles per minute at rated load.

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### Care in Switch Installation

CW switches will perform properly if they are installed and used properly. Causes for failure often encountered in the field that are the responsibility of the user are:

1. Removal of factory applied lubricants from switch contacts and moving parts.
2. Introduction of foreign material into switching mechanism...flux, solder cleaning materials, potting compounds.
3. Restriction of movement of switch button.
4. Excessive heat often introduced while soldering.
5. Switching loads in excess of rating.

Manufacturing Engineers are cautioned to avoid misusing switches and resultant switch failures.