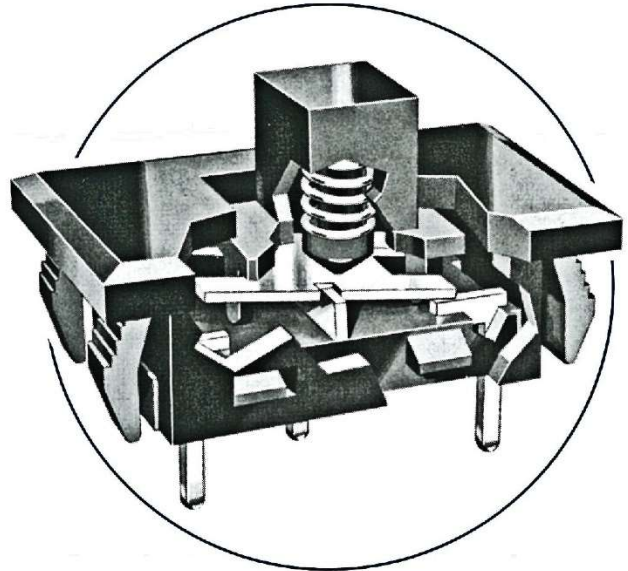


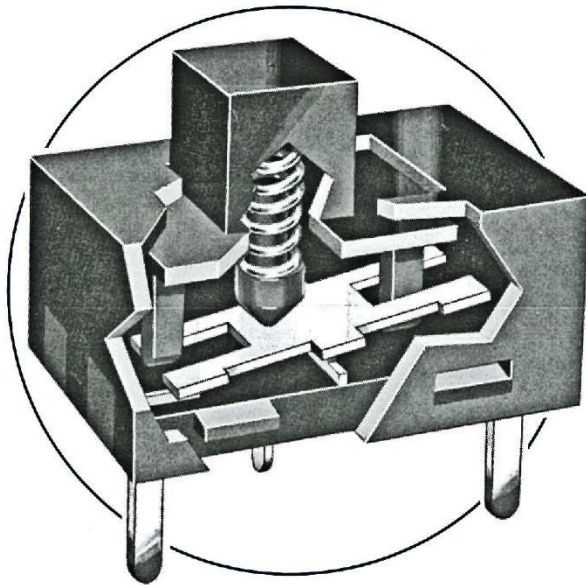
Fully Enclosed Micro-Miniature

Features:

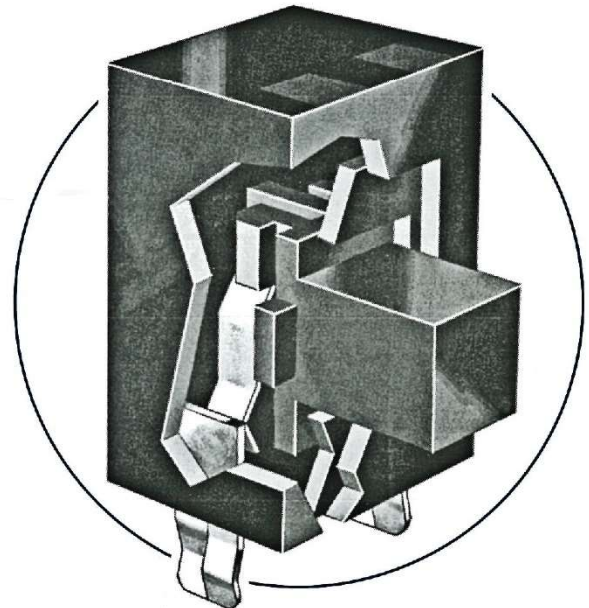
- Microminiature size
- Crisp, yet light, detent action
- Mounting options –
“Plug-In” or “Snap-In”
- Solderless, solder, or
PC termination options
- Contacts completely enclosed



SNAP-IN SWITCH



PLUG-IN SWITCH



UPRIGHT PLUG-IN SWITCH

These microminiature switches have electrical contacts completely enclosed by insulating plastic for protection from hostile environments. They are available in two mounting options... "Snap-In" for panel mount and "Plug-In" for circuit board mount... neither of which require mounting hardware. Actuating force is light... yet detent action is crisp... because of CW's patented detent method. And termination is easy - plug into PC board, hand solder to properly shaped terminal tails, or use a standard solderless connector.

These CW switches are designed for use where there is very little space available, and yet switching reliability and protection from hostile environments are required. Typical applications include electric shavers and similar motor-driven appliances; computer and telecommunications equipment where crowded PC boards adapt best to our switch size and insulated housings; and in electrical test gear requiring reliable low-voltage and low-current switching.



Type G-105 Plug-In
 ACTUAL SIZE
 Uses only .08 square inches on PC board.



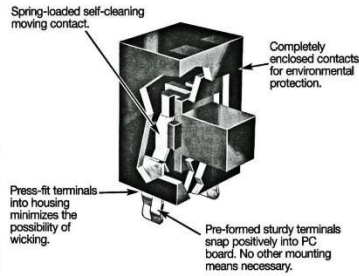
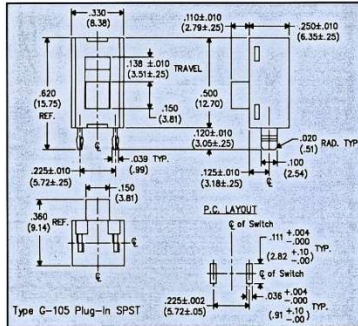
Type G-107SI Snap-In
 ACTUAL SIZE



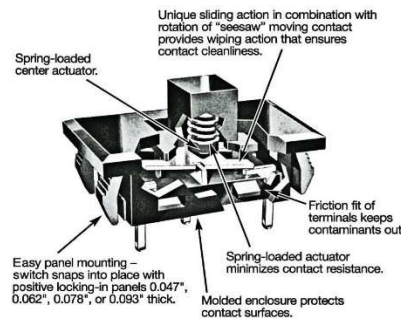
Type G-107 Plug-In
 ACTUAL SIZE

CONSTRUCTION

Type G-105 Plug-In SPST

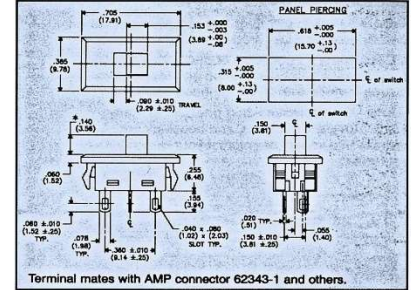


Type G-105 Plug-In SPST



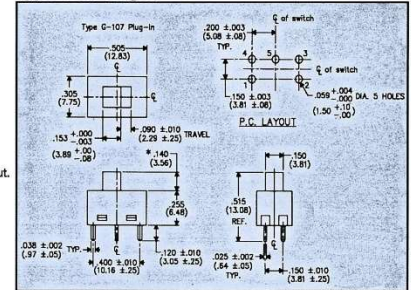
Type G-107 SI Snap-In

Type G-107 Snap-In



Terminal mates with AMP connector 62343-1 and others.

Type G-107 Plug-In



*Knob height shown is standard. .200", and 250" heights also available.

Ratings*

TYPE	ELECTRICAL RATING	LISTING
G-105	0.5 A at 125 Vac-Vdc 0.25 A at 250 Vac	U.L. & C.S.A. U.L. & C.S.A.
G-107	0.5 A at 125 Vac-Vdc	U.L. & C.S.A.

*Recognized under the Component Recognition Program of Underwriter Laboratories, Inc., and certified by Canadian Standards Association. (U.L. File No. E8556, CSA File No. LP20985)

SPECIFICATIONS

Performance*

Endurance - Greater than 100,000 cycles, 10 milliamps at 9 Vdc resistive
 Greater than 100,000 cycles, 10 microamps at 5 Vdc
 Greater than 15,000 cycles, 2.0 A at 2.4 Vdc
 Greater than 6000 cycles, 1 A at 125 Vac
 Greater than 6000 cycles, 0.5 A at 125 Vdc
Contact Resistance - Less than 10 milliohms before and 50 milliohms after endurance test

Dielectric Withstanding Voltage - 2000 volts rms - 1 minute minimum
Capacitance - Less than 1.0 pF
Operating Temperature - 105°C ambient maximum, -20°C minimum
Storage Temperature - -40°C to 105°C
Humidity - After 100 hrs. at 95% relative humidity, 50°C and drying for 1 hr. at 27°C, insulation resistance is greater than 10⁹ megohms
Hand Soldering - Use no more than 30 watt iron for no more than 4 seconds in contact with terminal

Materials*

Button - Type 6/6 nylon
Housing - Glass-filled nylon - 94 V-0
Spring - Music wire
Actuator - Glass-filled nylon
Terminal Board - Glass-filled nylon - 94V-0
Moving Contact - Copper alloy
Center Contact and Terminal - Copper, plated
End Contact and Terminal - Copper, plated
Contact Plating - Standard is silver; also available with 30 μ" gold over 50 μ" nickel if quantities are sufficient.