Search Catalog

By Keyword | Go

All Categories | Top Actuated Panel Mount Miniature Slide Switches (Swidgets)

Item # GF-123-0054, Top Actuated Panel Mount Miniature Slide Switches (Swidgets)



larger image

MORE IMAGES

· Features of Top-Actuated Panel Mount Miniature Swidgets

DOWNLOADS

- Mini Swidgets Terminal Layouts Chart (PDF, 1856KB)
- Toppers for use with CW Miniature Slide Switch Product (PDF, 576KB)
- Top Actuated Panel Mount Miniature Swidgets (GF-123) (PDF, 1310KB)
- Slide Switch Schematic (PDF, 187KB)

Specifications · Materials · Actuator Knob · Performance Standards · Care in Switch Installation · CW Patents

Specifications

Circuitry	SPST
Switch Function	ON-OFF
Electrical Ratings	0.5 A @ 125 VDC 8.5 A @ 125 VAC
Actuator Style	Standard
Actuator Height	0.200
Mounting Type	Mounting Ears Removed
Orientation	Top
Terminations	PC
Illumination	Non Illuminated
Terminal	G-20-018
Terminal Option	Dimension A - 0.064 ± 0.010 in (1.62 ± 0.25 mm) Dimension B - 0.078 ± 0.003 in (1.98 ± 0.08 mm) Dimension C - 0.155 ± 0.010 in (3.94 ± 0.25 mm) Dimension D - 0.50 in (1.27 mm) Style No. 1
Toppers	With Topper Without Topper (Standard)
Button Options	0.125" (3.18 mm) 0.200" (5.08 mm) Standard 0.328" (8.33 mm) 0.453" (11.51 mm)
Listing Agency (Consult drawing or factory for specific rating)[1]	Listing Agencies
Compliance	.
Solder Shield	Vulcanized Fiber Shield 0.020" thick that fits over the switch terminals is also available

[1] Due to ongoing advancements, additional agency certifications may be available, contact us for more information.

Materials

Button Material	Black Type 6/6 Nylon
Housing	Cold Rolled Steel
Housing Plating	4-point PC board mount switches-electro-tin; others - zinc followed by clear chromate.
Moving Contact	Copper Copper Alloy
Moving Contact Plating	Silver is standard. Gold (30 microinches of gold over 50 microinches of nickel) is available. Other gold thicknesses are available if your quantities are sufficient.
Moving Contact Spring	Beryllium Copper Phosphor Bronze
Terminals	Copper
Terminal Plating	Silver is standard. Gold (30 microinches over 50 microinches of nickel) on many popular types is available.
Terminal Board	NEMA Grade XP Phenolic Laminate
Note	Other materials to suit your application are available if volume is sufficient. Contact us for more information.

Actuator Knob

Decorative aluminum sleeved actuating knob is available. Specify GB-123 or GB-124 with appropriate suffix indicating your current requirements. 0.453" knob height shown is standard. Also available in heights of 0.162" (4.11 mm), 0.200 (5.08 mm), 0.473" (12.01 mm), 0.569" (14.27 mm), and 0.709 (18.01 mm).

Performance Standards

CW switches are designed to perform to the standards listed when operated within ambient conditions detailed below:
Operating Temperature - 104ºC maximum, -10ºC 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 25ºC and after exposure for one hour in an atmosphere having 95% relative humidity and a temperature of 50ºC
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.

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.

CW Patents

CW Engineers are constantly trying to upgrade the quality and cost effectiveness of our switches. Often this results in new inventions. Switch products shown in this catalog may be covered by one or more of the following U.S. patents:
3,270,149; 3,993,881; 3,271,535; 4,404,437; 3,311,719; 4,128,745; 3,461,252; 4,410,232
Other patent applications are pending.

CW INDUSTRIES
130 James Way - Southampton, PA 18966
215-355-7080 | fax: 215-355-1088 | info@cwind.com

Legal | Sitemap | Catalog Index
© 2011 CW Industries - All Rights Reserved

Downloaded from Arrow.com.