

# LC Series Subminiature Precision Snap-acting Switches



## Features/Benefits

- Compact design
- Long life and high electrical capacity
- Quick connect, wire lead or PC mounting
- Wide variety of actuator styles

## Typical Applications

- Motorized equipment
- Sump pump
- Thermostatic controls

UL61058-1



## Specifications

CONTACT RATING: From low level\* to 10.1 AMPS @ 250 V AC.  
 ELECTRICAL LIFE: 100,000 cycles  
 INSULATION RESISTANCE: 1,000 M Ω min.  
 DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.  
 OPERATING TEMPERATURE: -17°F to 185°F (-25°C to 85°C).  
 OPERATING FORCE: From 142 to 170 grams at actuator button.  
 Forces are less at free end of lever actuators; (see OPERATING FORCE and ACTUATOR option sections).  
 MOUNTING: 2-56 screws, torque 2.3 in/lbs max.

\* Low Level—conditions where no arcing occurs during switching, i.e., 0.4 VA max. @ 20 V AC or DC max.

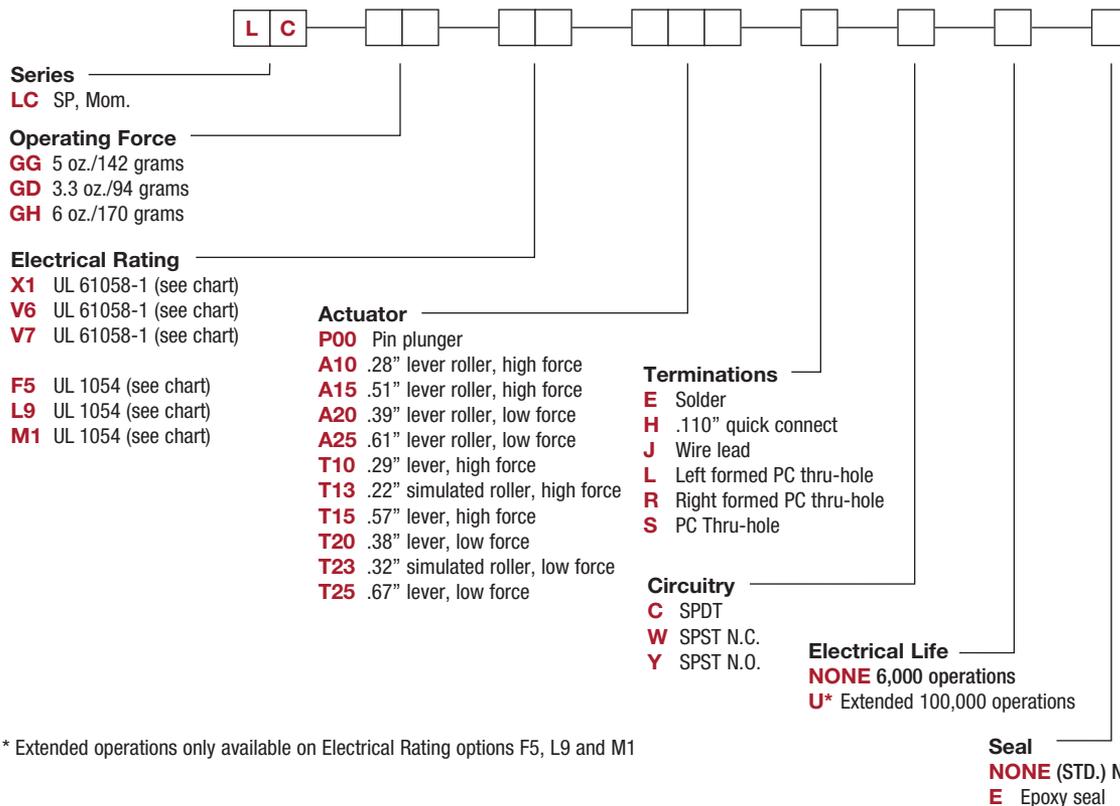
**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service center.

## Materials

SWITCH HOUSING: Thermoplastic polyester or high temperature thermoplastic (PTS) (UL 94V-0).  
 ACTUATOR BUTTON: Thermoplastic polyester (UL 94V-0).  
 SPRING: Copper alloy.  
 PIVOT: Copper alloy.  
 MOVABLE CONTACTS: Fine silver for ratings greater than 1 AMP @ 125 V AC. Fine silver with 24K gold plate for 1 AMP @ 125 V AC or less.  
 STATIONARY CONTACTS: Fine silver welded on copper alloy for ratings greater than 1 AMP @ 125 V AC. Gold alloy welded on copper alloy for ratings less than 1 AMP @ 125 V AC.  
 TERMINALS: Copper alloy.  
 TERMINAL SEAL: Epoxy.

## Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages J-33 through J-35. For additional options not shown in catalog, consult Customer Service Center.



\* Extended operations only available on Electrical Rating options F5, L9 and M1



Dimensions are shown: Inch (mm)  
 Specifications and dimensions subject to change

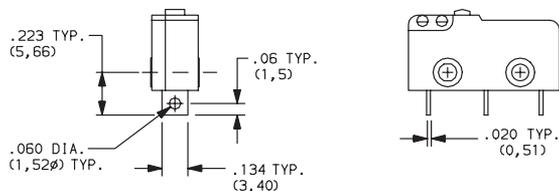




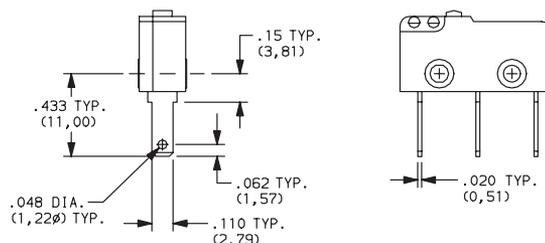
# LC Series Subminiature Precision Snap-acting Switches

## TERMINATIONS

### E SOLDER

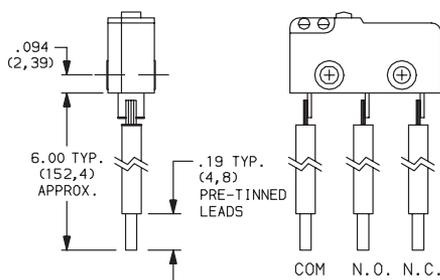


### H .110" QUICK CONNECT



NOTE: Use Amp Quick Connect Part No. 640932-1.

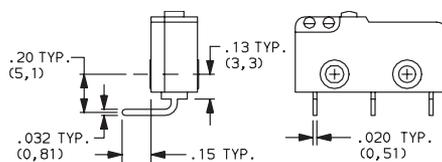
### J WIRE LEAD



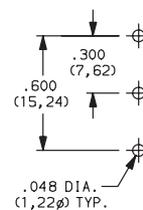
RATING	WIRE SIZE
1 AMP	22 AWG
5 AMPS	20 AWG
10.1 AMPS	18 AWG

TERMINAL	WIRE COLOR
COMMON	BLACK
NORMALLY OPEN	WHITE
NORMALLY CLOSED	RED

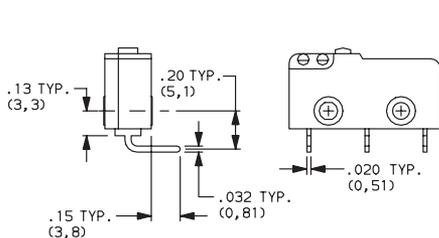
### L LEFT FORMED PC THRU-HOLE



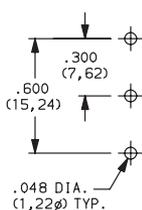
#### PC MOUNTING



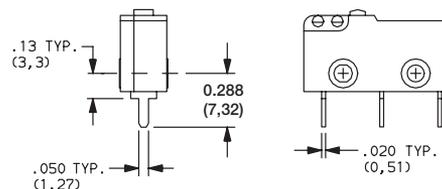
### R RIGHT FORMED PC THRU-HOLE



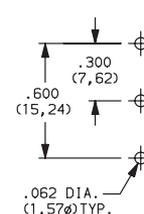
#### PC MOUNTING



### S PC THRU-HOLE



#### PC MOUNTING



## CIRCUITRY

**C** SPDT (Single Pole, Double Throw)

**W** SPST N.C. (Single Pole, Single Throw, Normally Closed)

**Y** SPST N.O. (Single Pole, Single Throw, Normally Open)

## ELECTRICAL LIFE

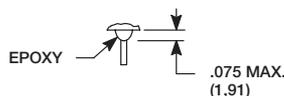
**NONE** 6,000 OPERATIONS

**U** EXTENDED 100,000 OPERATIONS

## SEAL

**NONE** NO SEAL

**E** EPOXY SEAL



Third Angle Projection

Dimensions are shown: mm  
Specifications and dimensions subject to change

**C&K**



Snap-acting

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## C&K Switches:

[LCGGL9P00SC](#) [LCGGX1T10EC](#) [LCGGX1A10EC](#) [LCGHF5A10RCE](#) [LCGHF5A10RC](#) [LCGGX1T13EC](#)  
[LCGHF5A10LC](#) [LCGGF5P00EW](#) [LCGDL9P00SC](#) [LCGDL9T10EC](#) [LCGGM1T10HY](#) [LCGGM1T10JY](#)  
[LCGGX1P00EC](#) [LCGGX1T25EC](#) [LCGHF5T10SY](#) [LCGDL9T13EC](#) [LCGDF5A10LCU](#) [LCGGL9P00EC](#)  
[LCGGL9T10LC](#) [LCGDL9T10SC](#) [LCGDL9A10EC](#) [LCGGF5T13HCU](#) [LCGGF5A10HYU](#) [LCGGV6P00ECU](#)  
[LCGDL9P00EC](#) [LCGDL9A10SC](#) [LCGDL9P00HC](#) [LCGGV6T10SC](#) [LCGHF5A10ECE](#) [LCGHV6A10LC](#)  
[LCGDF5P00HC](#) [LCGGX1A10EW](#) [LCGHL9A10HCU](#) [LCGGL9P00SCE](#) [LCGGX1T20EY](#) [LCGHL9T10SC](#)  
[LCGGL9A10HC](#) [LCGGL9T13SCE](#) [LCGGF5T10LC](#) [LCGGL9T20HCE](#) [LCGGF5T10ECUE](#) [LCGDL9T23EC](#)  
[LCGGF5T23HCUE](#) [LCGGV6P00LC](#) [LCGGM1T10SC](#) [LCGHF5T23SCUE](#) [LCGHX1A10RCE](#) [LCGHF5T20SCU](#)  
[LCGHM1T10EC](#) [LCGDF5T10SW](#) [LCGGL9T23EC](#) [LCGHF5A10LCE](#) [LCGDL9P00SYE](#) [LCGHV6A10RC](#)  
[LCGHF5A10HC](#) [LCGHL9P00EC](#) [LCGGV6P00ECUE](#) [LCGGF5T10EC](#) [LCGGL9P00SY](#) [LCGGV6A10RC](#)  
[LCGGL9A10LCE](#) [LCGGF5T13SYU](#) [LCGGL9T23HCE](#) [LCGHL9P00SYU](#) [LCGGF5T10RC](#) [LCGHF5P00EC](#)  
[LCGGM1T10EC](#) [LCGDF5T13RWU](#) [LCGHF5T23ECU](#) [LCGGF5T13RC](#) [LCGHM1T23HC](#) [LCGGL9T23SC](#)  
[LCGDV6P00SCE](#) [LCGHF5A10RWE](#) [LCGGL9T10HC](#) [LCGGF5T23SC](#) [LCGDL9T10HC](#) [LCGHF5T10JWU](#)  
[LCGGF5A10ECU](#) [LCGHF5A10RYE](#) [LCGDF5T10EC](#) [LCGHV6P00RC](#) [LCGHV6T10HY](#) [LCGHX1T23JY](#)  
[LCGHM1P00EC](#) [LCGGV6P00SCUE](#) [LCGGL9P00SYUE](#) [LCGHF5T23HCUE](#) [LCGDX1P00EC](#) [LCGGF5A25ECU](#)  
[LCGHM1A10HC](#) [LCGGL9P00SYE](#) [LCGHL9P00SC](#) [LCGGL9T10SC](#) [LCGHM1P00HY](#) [LCGGV6T10RC](#)  
[LCGDF5T13SC](#) [LCGGM1A10HC](#) [LCGGV6A10LCE](#) [LCGGM1T10HC](#)