

# LCA Series Subminiature Snap-acting Switches



## Features/Benefits

- Compact design
- Long life and high electrical capacity
- Quick connect, solder terminals, PC terminals
- Wide variety of actuator styles
- RoHS compatible

## Typical Applications

- Motorized equipment
- Sump pump
- Thermostatic controls

UL61058-1



## Specifications

CONTACT RATING: From low level to 10.1 AMPS @ 125/250 V AC  
 ELECTRICAL LIFE: see chart below  
 MECHANICAL LIFE: 300,000 cycles.  
 INSULATION RESISTANCE: 100 M ohm min.  
 DIELECTRIC STRENGTH: 1,500 Vrms min. @ sea level.  
 OPERATING TEMPERATURE: -40°C to +125°C  
 OPERATING FORCE: 150 grams at actuator button MAX.  
 Forces are less at free end of lever actuators; (see ACTUATOR'S option sections).  
 MOUNTING: 2-56 screws, torque 2.3 in/lbs max.

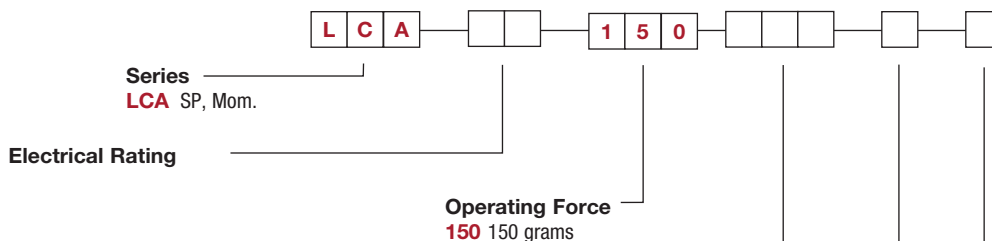
## Materials

SWITCH HOUSING: Thermoplastic polyester  
 ACTUATOR BUTTON: Thermoplastic polyester.  
 SPRING: Copper alloy.  
 PIVOT: Copper alloy.  
 MOVABLE CONTACTS: Silver alloy  
 STATIONARY CONTACTS: Silver alloy  
 TERMINALS: Copper alloy.  
 ACTUATOR LEVER: Stainless steel.

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

## 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-36 thru J-39. For additional options not shown in catalog, consult Customer Service Center.



Option Code	UL cULUS 1054	UL cULUS 61058-1	E4
01	0.1 A 125/250 V AC 1E4	0.1 A 125/250 V AC 1E4	0.1 A 125/250 V AC 1E4
06	6 A 125/250 V AC 1E4	6 A 125/250 V AC 1E4	6 (2)A 125/250 V AC 1E4
10	10.1 A 125/250 V AC 1E4	10.1 A 125/250 V AC 1E4	10.1 A 125/250 V AC 1E4
S5	NA	5 A 125/250 V AC 1E5	NA

## Actuator

- P00 Pin plunger
- T05 4.8 mm short lever
- T06 6.8 mm lever
- T09 8.8 mm lever
- T12 12.9 mm lever
- T16 15.2 mm lever
- T18 18.1 mm lever
- T21 20.1 mm lever
- T23 23.4 mm lever
- T43 43.5 mm lever
- S06 6.0 mm simulated lever
- S09 9.2 mm simulated lever
- A05 5.0 mm lever roller

## Terminations

- S Solder
- Q .110 Quick Connect
- P PC Thru Hole
- L Left Form PC
- R Right Form PC

## Circuitry

- C SPDT
- W SPST N.C.
- Y SPST N.O.



Dimensions are shown: mm

Specifications and dimensions subject to change





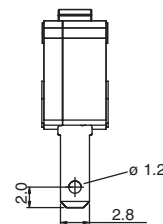
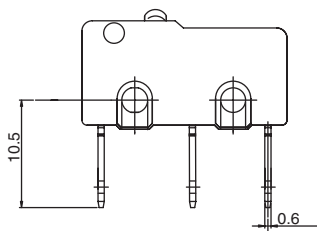
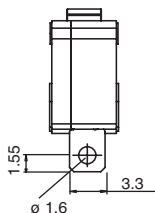
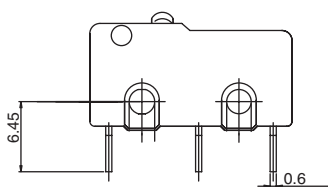


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## TERMINATIONS

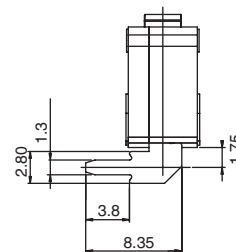
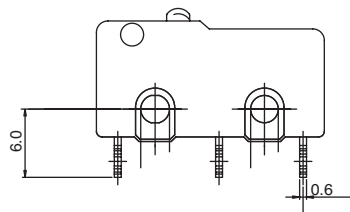
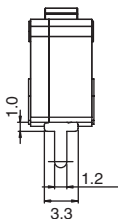
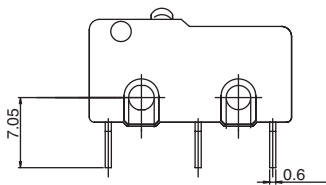
**S** SOLDER

**Q** QUICK CONNECT

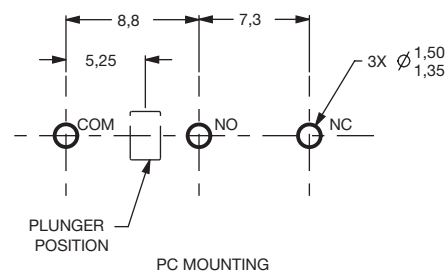
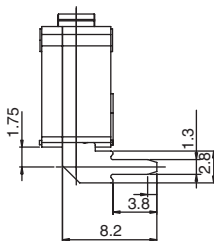
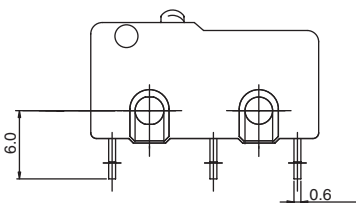


**P** PC THRU HOLE

**L** LEFT FORM PC



**R** RIGHT FORM PC



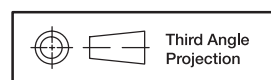
Snap-acting

## 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)



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