

LCW Series Subminiature Sealed Snap-acting Switches

NEW



UL61058-1



Features/Benefits

- Compact design
- Quick connect, solder terminals, PC terminals, wire leads
- Wide variety of actuator styles
- RoHS compatible, RoHS compliant
- IP67
- New generation price competitive

Typical Applications

- Motorized equipment
- Sump pump
- Thermostatic controls
- Computers
- Air conditioners

Specifications

CONTACT RATING: from low level to 0.1 Amp

ELECTRICAL LIFE: 10,000 cycles

INSULATION RESISTANCE: 100 M ohm min.

DIELECTRIC STRENGTH: 1,000 VAC

OPERATING TEMPERATURE:

-40°C to +120°C

OPERATING FORCE: (see ACTUATOR'S option sections).

MOUNTING: 2-56 screws, torque 2.3 in/lbs max.

Materials

SWITCH HOUSING: PBT

SWITCH COVER: PBT

ACTUATOR BUTTON: PBT

SPRING: SUS

MOVABLE CONTACTS: Copper

STATIONARY CONTACTS: AgNi10

TERMINALS: Brass.

ACTUATOR LEVEL: SUS

RUBBER: Silicone

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-44 thru J-47. For additional options not shown in catalog, consult Customer Service Center.

Option Code	UL 61058-1	Operating Force	Actuator	Terminations	Circuitry	Wire Side
01	0.1 A 125/250 V AC	2 203 grams	P00 Pin plunger T00 12 mm short lever T05 17.5 mm short lever T07 19.5 mm short lever T13 25.6 mm lever S26 18.6 mm simulated lever	S Solder Q 0.110 Quick Connect P PC Thru Hole W Wire leads potted	C SPDT W SPST N.C. Y SPST N.O.	A Wire out the bottom (check if available) B Wire out the right side (check if available) D None (Default)



26 Feb 19

LCW Series Subminiature Sealed Snap-acting Switches

Technical drawings of the G&K LCW component:

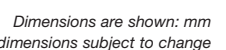
- Top View:** Shows a rectangular component with a width of 19.8 and a height of 6.4. A circular feature is centered on the right side.
- Side View:** Shows the component's profile with a total height of 3.2.
- Front View:** Shows the component with labels "G&K" and "LCW". It features three terminals labeled "NC", "NO", and "C". Dimensions include a total width of 15, a terminal spacing of 7.5, and a mounting hole diameter of $\varnothing 2.6 \pm 0.1$. A note indicates "FREE POSITION (CP)", "OPERATING POSITION (CP)", and "OVERTRAVEL (CT)".
- Top View (Detailed):** Shows the component with a width of 19.8 and a height of 9.3. It features a circular feature with a diameter of $\varnothing 2.3 \pm 0.1$ and a mounting hole diameter of $\varnothing 2.6 \pm 0.1$. The terminal spacing is 7.5, and the total width is 15. A note indicates "FREE POSITION (CP)", "OPERATING POSITION (CP)", and "OVERTRAVEL (CT)".
- Circuit Diagram:** A schematic diagram showing the component's internal circuitry, including a switch and a diode.
- PCB Layout:** A diagram showing the component's footprint on a PCB. It includes dimensions for the mounting holes (15 $\pm$ 0.1) and the terminal spacing (7.5 $\pm$ 0.1). A note indicates "Terminations S:3- $\varnothing 1.5$ ".

Snap-acting

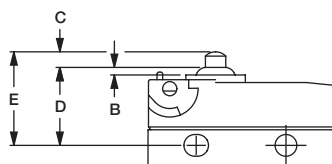
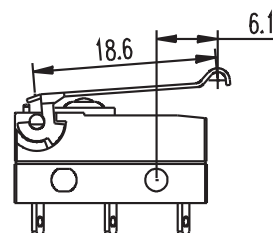
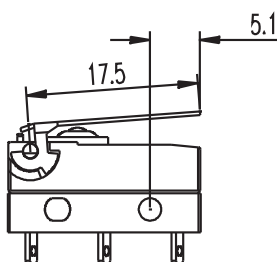
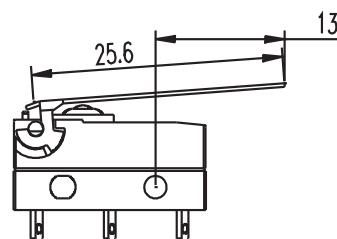
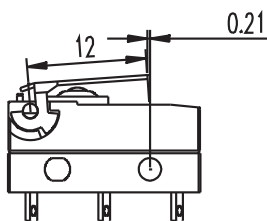
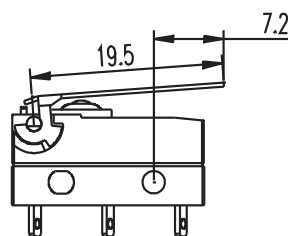
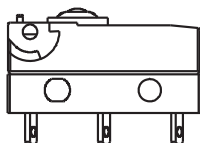
RoHS COMPLIANT *	RoHS COMPATIBLE *	OPTION CODE	ELECTRICAL RATING
YES	YES	01	0.1 AMP, 125/250 V AC

A number line from 0 to 10. The first two boxes are shaded blue and contain the numbers 0 and 1. The remaining boxes are white and contain the numbers 2 through 10.

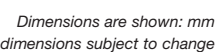
OPTION CODE	OPERATING FORCES (grams)
2	203 g. max.



NEW



Dimensions are in mm and force in grams



NEW

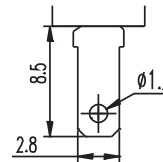
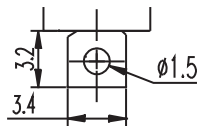
LCW Series Subminiature Sealed Snap-acting Switches

TERMINATIONS

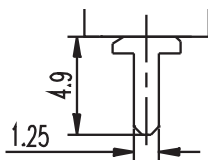


S SOLDER

Q QUICK CONNECT 2.8mm / 0.110"



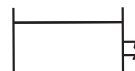
P PC THRU HOLE



W "A" WIRE ORIENTATION OUT THE BOTTOM
"W" CIRCUITRY



W "B" WIRE ORIENTATION OUT THE RIGHT SIDE
"W" CIRCUITRY



Snap-acting

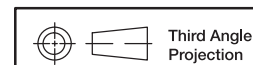
CIRCUITRY



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)



Third Angle
Projection

Dimensions are shown: mm

Specifications and dimensions subject to change



26 Feb 19