

# LCS Series Small Size Sealed Snap-acting Switches



UL61058-1



## Features/Benefits

- Compact design
- Long life and high electrical capacity
- Quick connect, solder terminals, PC terminals, wire leads
- Wide variety of actuator styles
- RoHS compatible, RoHS compliant
- IP67 for standalone switch except the metal terminal part; Full IP67 protection when potted with wire version

## Typical Applications

- Motorized equipment
- Sump pump
- Thermostatic controls
- Computers
- Air conditioners
- Automotive: door latch, seat position detection, EV charging

## Specifications

CONTACT RATING: from low level to 5 Amp  
 ELECTRICAL LIFE: 10,000 cycles for 5A; 1M cycles for 0.1A  
 INSULATION RESISTANCE: 100 M ohm min.  
 DIELECTRIC STRENGTH: 1,000 VAC  
 OPERATING TEMPERATURE:  
 -40°C to +120°C (without wire)  
 -40°C to +85°C (with UL1007 wire)  
 -40°C to +105°C (with UL1015 wire)  
 -40°C to +105°C (with UL1430 wire)  
 -40°C to +80°C (with UL1061 wire)  
 -40°C to +120°C (with UL1330 wire)  
 OPERATING FORCE: (see ACTUATOR'S option sections).  
 MOUNTING: 2-56 screws, torque 2.3 in/lbs max.

## Materials

SWITCH HOUSING: Thermoplastic polyester or high temperature thermoplastic (PTS) (UL 94V-0).  
 ACTUATOR BUTTON: Thermoplastic polyester.  
 SPRING: Copper alloy.  
 PIVOT: Copper alloy.  
 MOVABLE CONTACTS: Option "01" Gold plating over silver alloy  
 Option "05" Silver alloy  
 STATIONARY CONTACTS: Option "01" Gold plating over silver alloy  
 Option "05" Silver alloy  
 TERMINALS: Copper alloy.  
 ACTUATOR LEVEL: 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. For additional options not shown in catalog, consult Customer Service Center.

<div style="display: flex; align-items: center; gap: 10px;"> <span style="border: 1px solid black; padding: 2px;">L</span> <span style="border: 1px solid black; padding: 2px;">C</span> <span style="border: 1px solid black; padding: 2px;">S</span> </div>																					
<b>Series</b>			<b>LCS</b>																		
<b>Electrical Rating</b>																					
<b>Option Code</b>		<b>UL 61058-1</b>																			
<b>01</b>		0.1 A 125/250 V AC	NA																		
<b>05</b>		5 A 125/250 V AC	6 A 250 V AC																		
				<b>Operating Force</b>																	
				<b>2</b> 203 grams																	
				<b>Actuator *</b>																	
				<b>P00</b> Pin plunger <b>T00</b> 11.9 mm short lever <b>T05</b> 17.4 mm short lever <b>T07</b> 19.4 mm short lever <b>T13</b> 25.5 mm lever <b>T19</b> 33.3 mm lever <b>T28</b> 40.7 mm lever <b>T43</b> 55.9 mm lever <b>S26</b> 18.6 mm simulated lever <b>A05</b> 17.2 mm lever roller																	
				<b>Terminations</b>																	
				<b>S</b> Solder <b>Q</b> 0.110 Quick Connect <b>P</b> PC Thru Hole <b>W</b> Wire leads potted <b>Z</b> Wire leads non-potted																	
				<b>Circuitry</b>																	
				<b>C</b> SPDT <b>W</b> SPST N.C. <b>Y</b> SPST N.O.																	
				<b>Wire Type AWG (when required)</b>																	
				<b>20</b> 20 AWG <b>22</b> 22 AWG <b>24</b> 24 AWG <b>26</b> 26 AWG																	
				<b>Wire UL # (when required)</b>																	
				<b>A</b> UL1007 <b>B</b> UL1015 <b>C</b> UL1430 <b>D</b> UL1061																	
				<b>Wire Side (when required)</b>																	
				<b>A</b> Wire out the bottom <b>B</b> Wire out the right side <b>C</b> Wire out the left side <b>D</b> None																	

\* Dim. A  
 See chart on following pages for detailed information

### Wire Side (when required)

- A** Wire out the bottom
- B** Wire out the right side
- C** Wire out the left side
- D** None

Dimensions are shown: mm  
 Specifications and dimensions subject to change

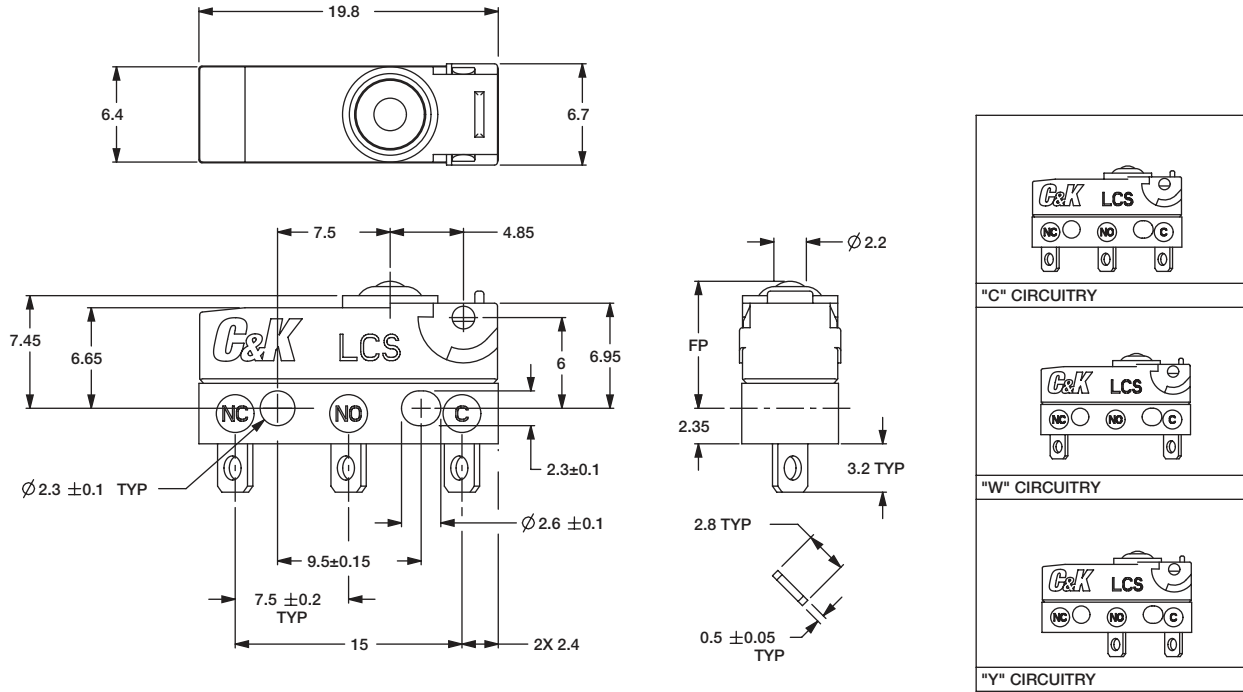


Snap-acting

# LCS Series Small Size Sealed Snap-acting Switches

## SERIES

### LCS



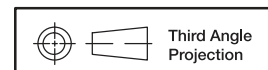
Snap-acting

## ELECTRICAL RATING

RoHS COMPLIANT *	RoHS COMPATIBLE *	OPTION CODE	ELECTRICAL RATING
YES	YES	<b>05</b>	5 AMP, 125/250 V AC
YES	YES	<b>01</b>	0.1 AMP, 125/250 V AC

## OPERATING FORCE

OPTION CODE	OPERATING FORCES (grams)
<b>2</b>	203 g. max.



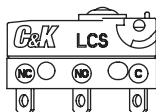
Dimensions are shown: mm  
Specifications and dimensions subject to change



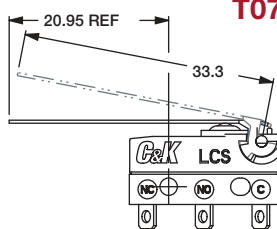
# LCS Series Small Size Sealed Snap-acting Switches

## ACTUATOR

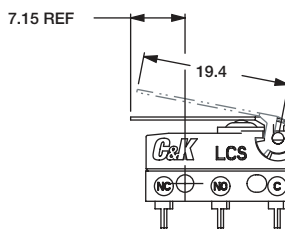
P00



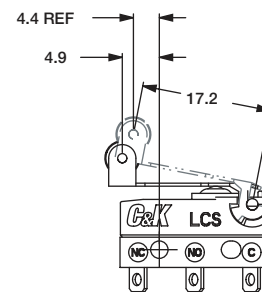
T19



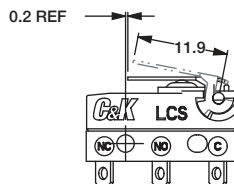
T07



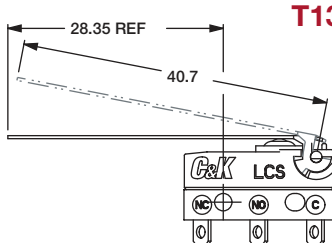
A05



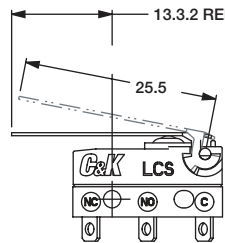
T00



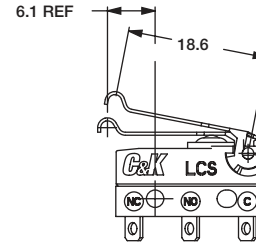
T28



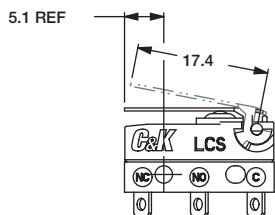
T13



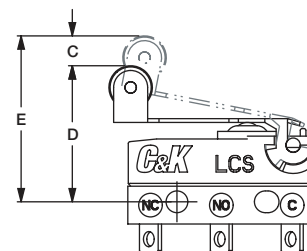
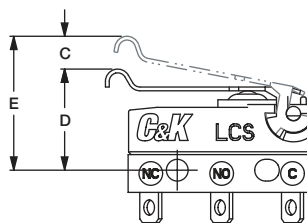
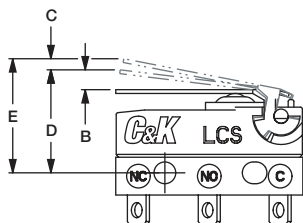
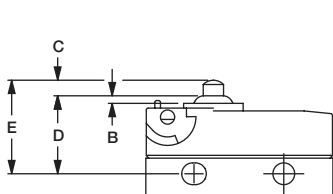
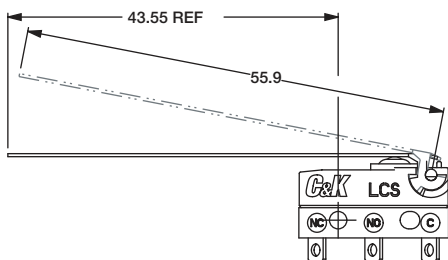
S26



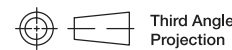
T05



T43



ACTUATOR OPTION CODE	A LENGTH OF LEVER	B OVER TRAVEL (MIN)	C PRE TRAVEL (MAX)	D OPERATING POSITION	E FREE POSITION (MAX)	DIFFERENTIAL MOTION (MAX)	OPERATING FORCE (MAX)	RELEASE FORCE (MIN)
						203	203	203
P00	N/A	0.6	1.2	8.4 ± 3	9.9	0.2	203	50
T00	11.9	0.6	3.2	8.8 ± 9	11.1	0.5	98	21
T05	17.40	0.9	4.3	8.8 ± 1.1	12	0.6	82	16
T07	19.40	1	4.8	8.8 ± 1.2	12.4	0.7	66	13
T13	25.5	1.6	6.3	8.8 ± 1.6	13.5	0.9	54	11
T19	33.3	1.95	8	8.8 ± 2.0	15	1.75	40	5
T28	40.7	2.1	10.1	8.8 ± 2.6	16.3	2.3	39	8
T43	55.9	2.9	13.8	8.8 ± 3.5	19.1	3.6	33	7
S26	18.6	1	4.6	10.7 ± 1.2	14.1	0.65	68	14
A05	17.20	0.9	4.3	14.5 ± 1.1	17.7	0.6	72	15



Third Angle Projection

Dimensions are shown: mm  
Specifications and dimensions subject to change

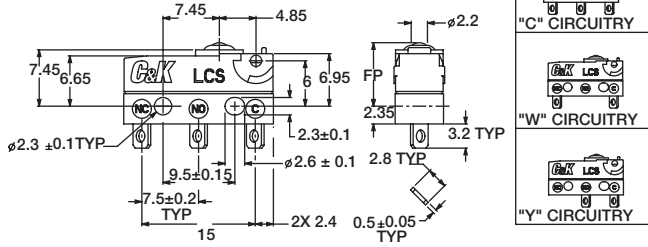


Snap-acting

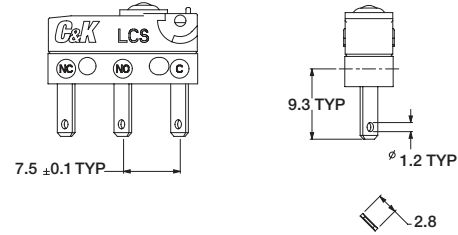
# LCS Series Small Size Sealed Snap-acting Switches

## TERMINATIONS

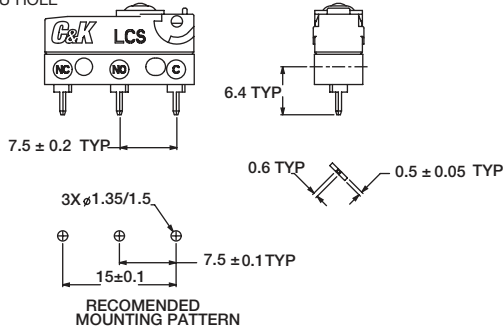
### S SOLDER



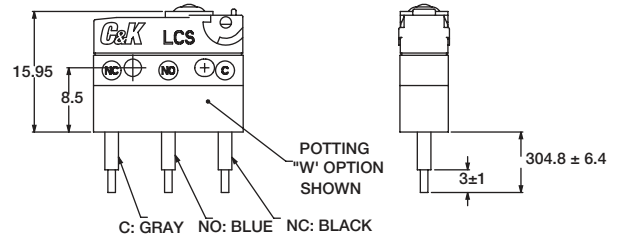
### Q QUICK CONNECT 2.8mm / 0.110"



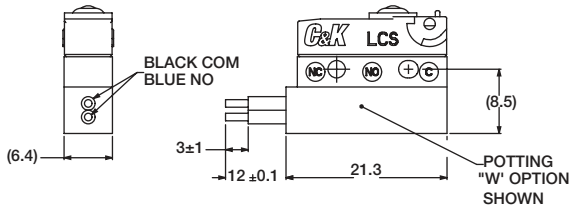
### P PC THRU HOLE



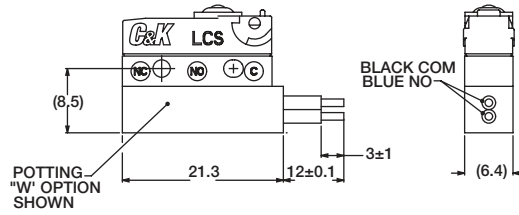
### Z or W "A" WIRE ORIENTATION



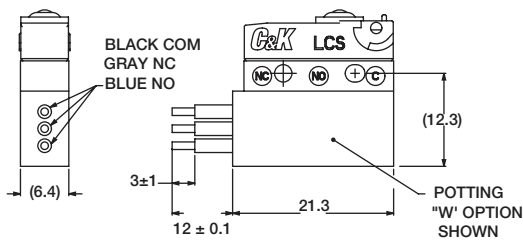
### Z or W "B" WIRE ORIENTATION "Y" OR "W" CIRCUITRY



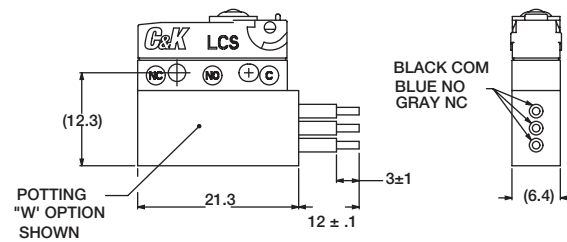
### Z or W "C" WIRE ORIENTATION "Y" OR "W" CIRCUITRY



### Z or W "B" WIRE ORIENTATION "C" CIRCUITRY



### Z or W "C" WIRE ORIENTATION "C" 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

