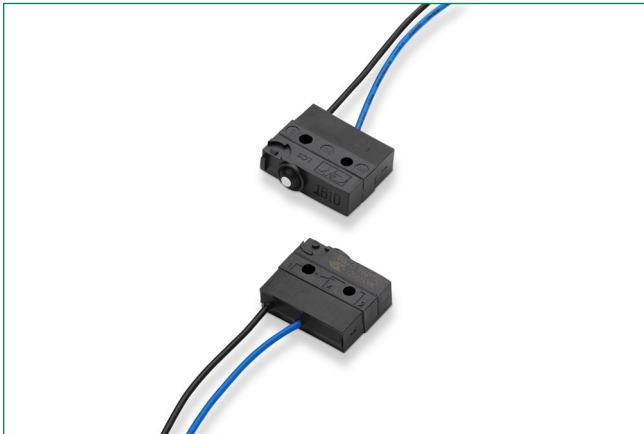




LCS Series

Small Size Sealed Snap-acting Switches



Agency Approvals

Agency	Agency File Number
	E42363
	ENEC-03366

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 section)
Mounting	2-56 screws, torque 2.3 in/lbs max.

Description

The LCS series small size sealed snap-acting switch is used in applications for motorized equipment, sump pumps and thermostatic controls because of its ability to perform in harsh environmental conditions. The LCS series feature a compact design, quick connect features, solder terminals, PC terminals and wire leads – and give applications a long life and a high electrical capacity.

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

Applications

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

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
Stationary Contacts	Option "05" Silver alloy
Terminals	Copper alloy
Actuator Lever	Stainless steel

Notes:

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

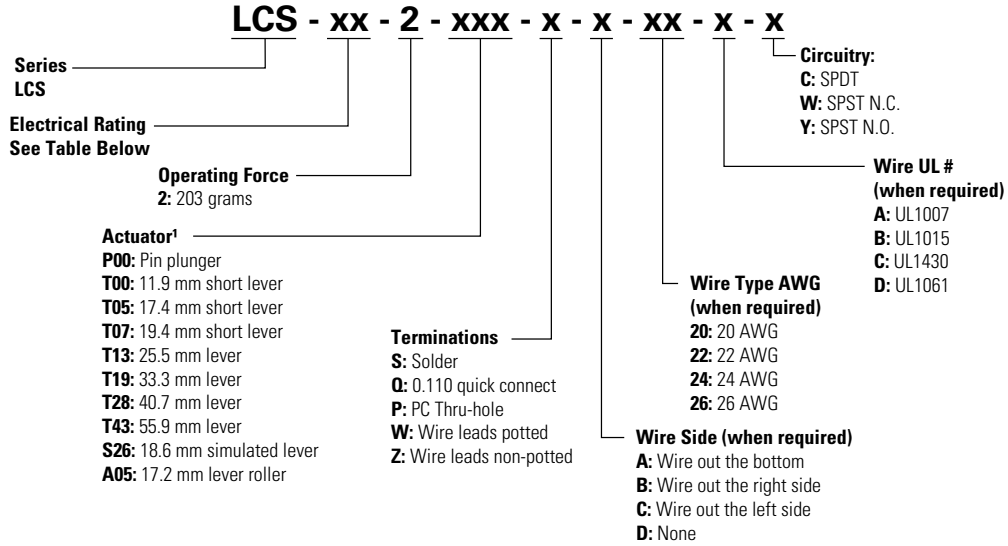
LCS Series

Small Size Sealed Snap-acting Switches



Ordering Number

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.

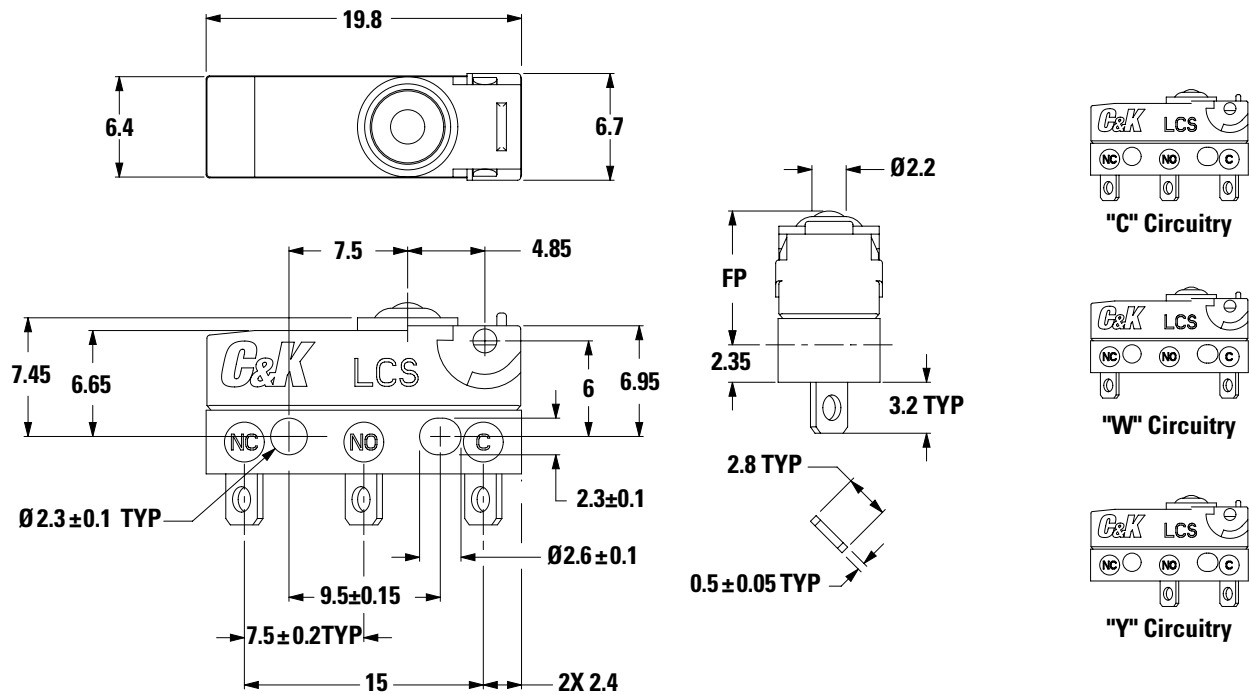


Notes:
 1. Dim. A, See chart on following pages for detailed information

Electrical Rating

Option Code	US	
01	0.1A 125/250 V AC	-
05	5A 125/250 VAC	6 A 125/250 VAC

LCS Series Dimensions mm



LCS Series

Small Size Sealed Snap-acting Switches



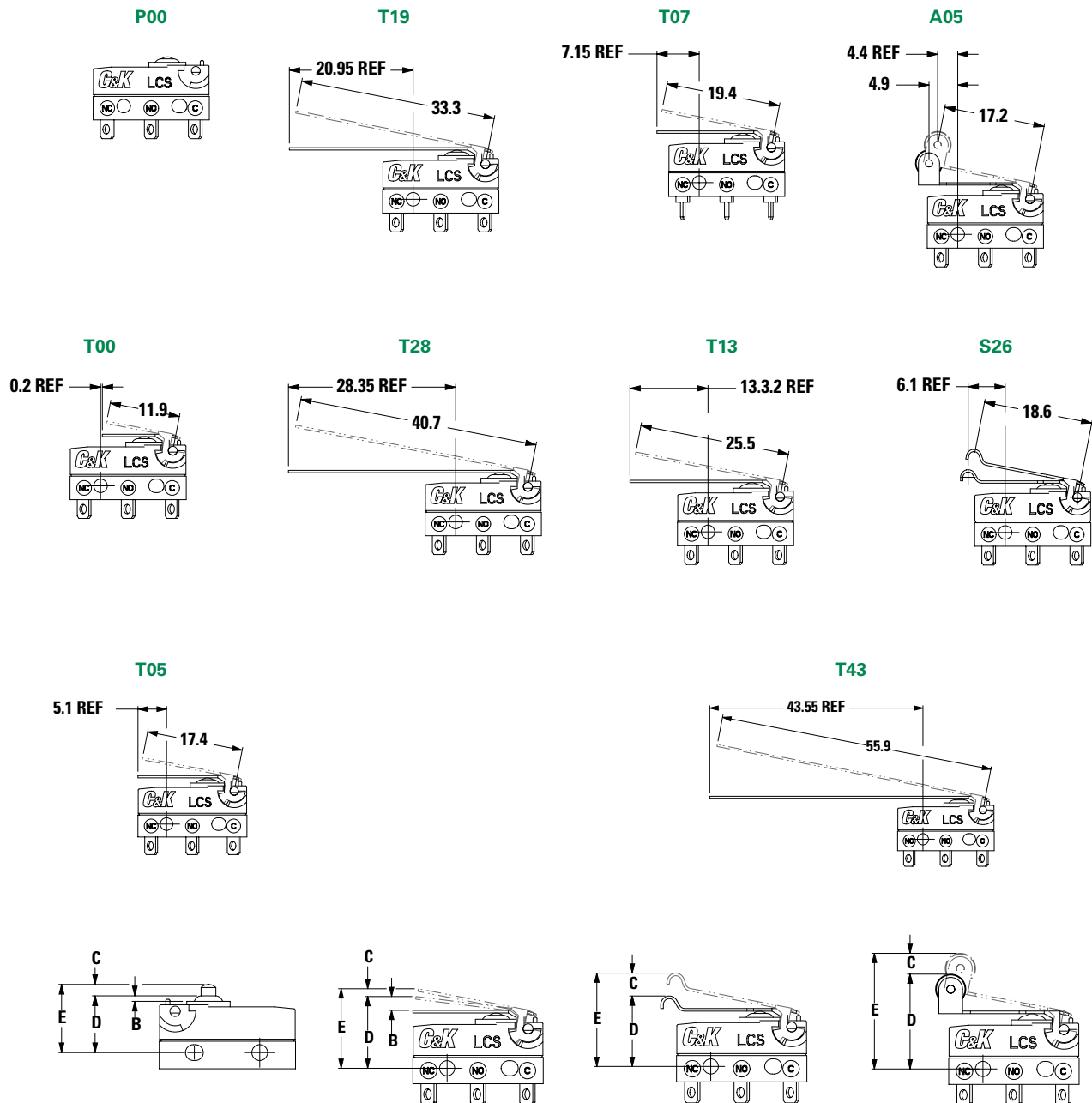
Electrical Rating

Option Code	RoHS Compliant ¹	RoHS Compatible ¹	Electrical Rating
05	Yes		5 AMP, 125/250 V AC
01		Yes	0.1 AMP, 125/250 V AC

Operating Force

Option Code	Operating Forces (grams)
2	203 grams max.

Actuator Dimensions mm



LCS Series

Small Size Sealed Snap-acting Switches

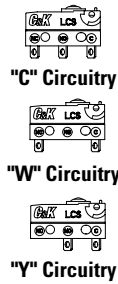
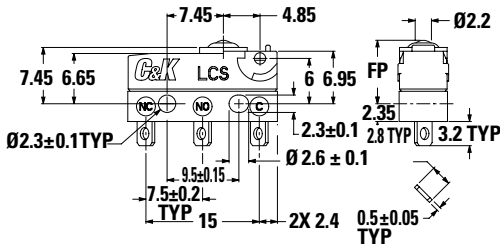


Switch Characteristics

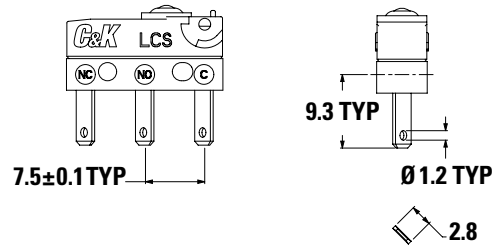
Actuator Option Code	A	B	C	D	E	Differential Motion Max.	Operating Force Max.	Release Force Min.
	Length of Lever	Over Travel Min.	Pre Travel Max.	Operating Position	Free Position Max.	203		
P00	-	0.6	1.2	8.4 ± 0.3	9.9	0.2	203	50
T00	11.9	0.6	3.2	8.8 ± 0.9	11.1	0.5	98	21
T05	17.40	0.9	4.3	8.8 ± 1.1	12	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

Terminations

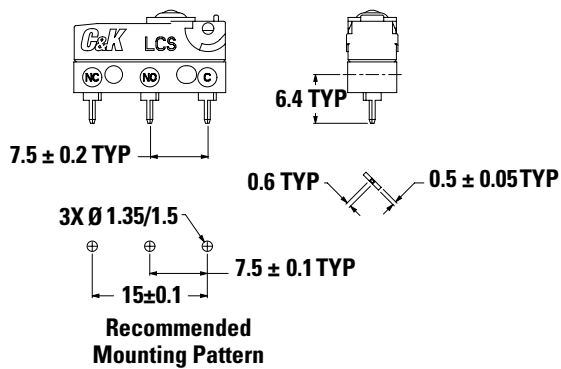
S Solder



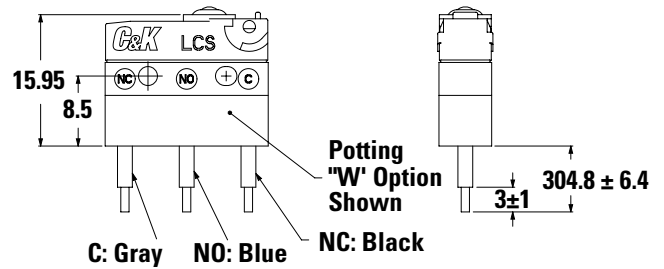
Q Quick Connect 2.8 mm / 0.110"



P PC Thru Hole



Z or W "A" Wire Orientation

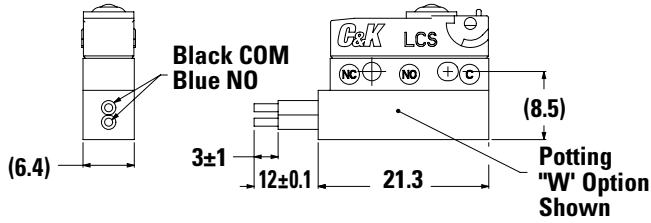


LCS Series

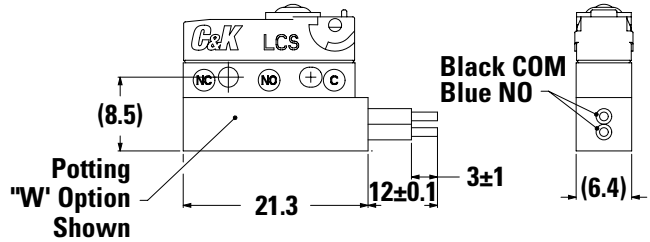
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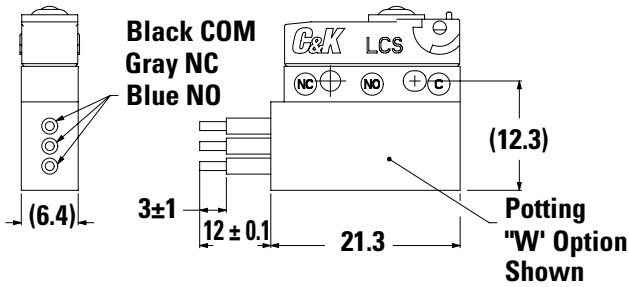
Z or W "B" Wire Orientation "Y" or "W" Circuitry



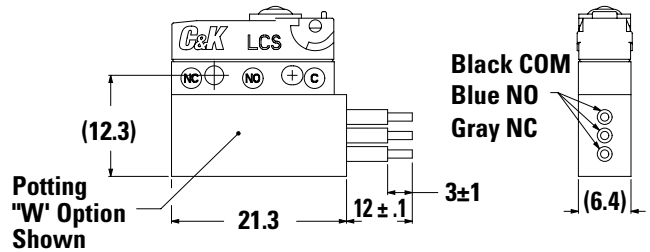
Z or W "C" Wire Orientation "Y" or "W" Circuitry



Z or W "B" Wire Orientation "C" Circuitry



Z or W "C" Wire Orientation "C" Circuitry



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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