

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.

Option Code	UL 61058-1	Operating Force	Actuator *	Terminations	Wire Type AWG (when required)	Wire UL # (when required)
01	0.1 A 125/250 V AC	2 203 grams	P00 Pin plunger	S Solder	20 20 AWG	A UL1007
05	5 A 125/250 V AC		T00 11.9 mm short lever	Q 0.110 Quick Connect	22 22 AWG	B UL1015
			T05 17.4 mm short lever	P PC Thru Hole	24 24 AWG	C UL1430
			T07 19.4 mm short lever	W Wire leads potted	26 26 AWG	D UL1061
			T13 25.5 mm lever	Z Wire leads non-potted		
			T19 33.3 mm lever			
			T28 40.7 mm lever			
			T43 55.9 mm lever			
			S26 18.6 mm simulated lever			
			A05 17.2 mm lever roller			

* 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

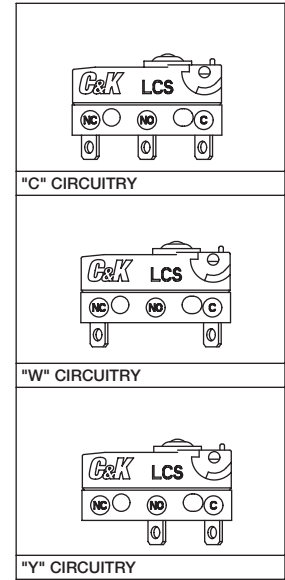
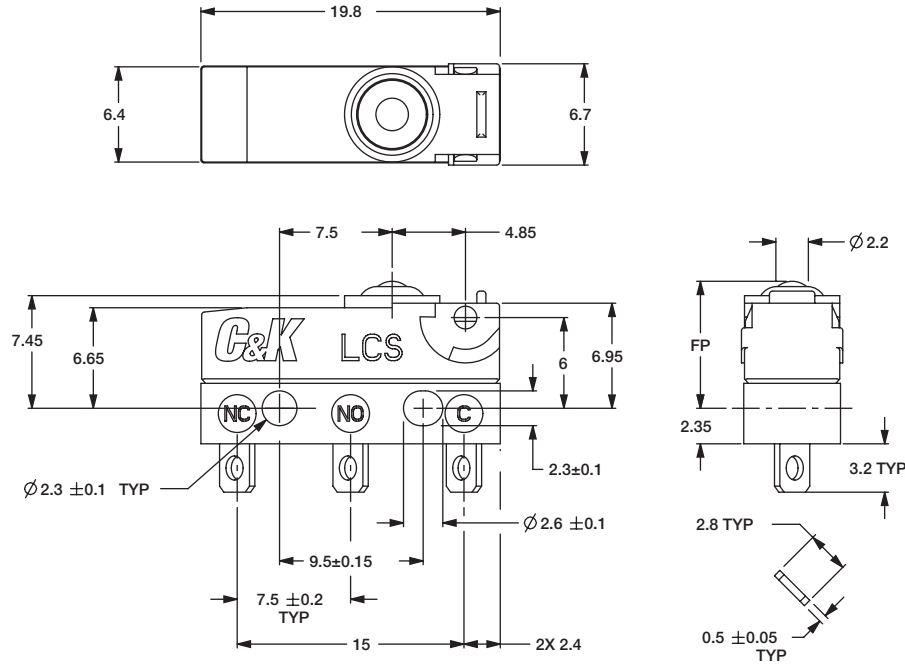
Dimensions are shown: mm
 Specifications and dimensions subject to change



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SERIES

LCS



ELECTRICAL RATING

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

OPERATING FORCE

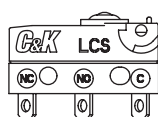
OPTION CODE	OPERATING FORCES (grams)
2	203 g. max.

LCS Series

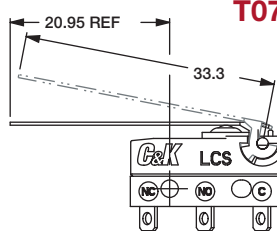
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ACTUATOR

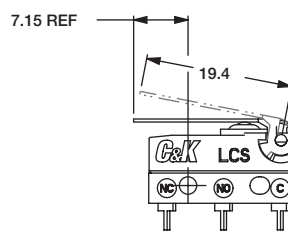
P00



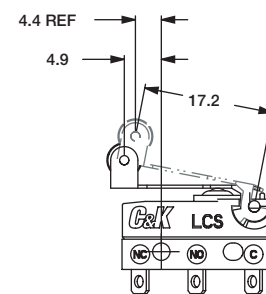
T19



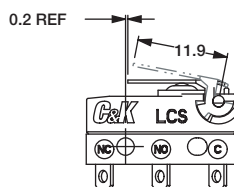
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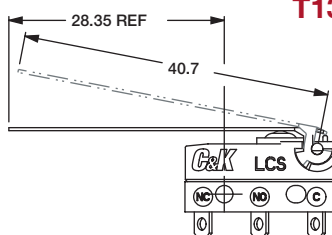
A05



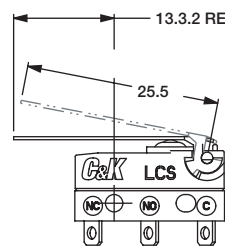
T00



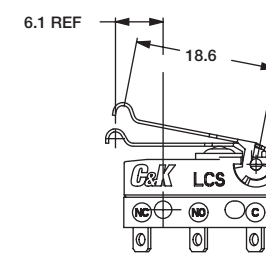
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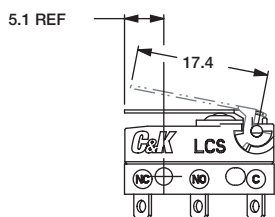
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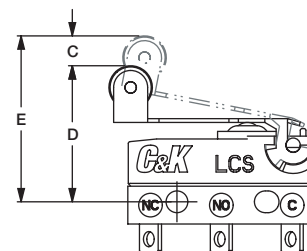
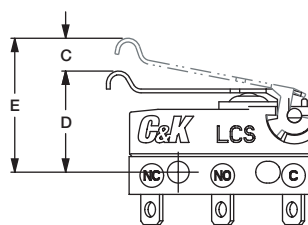
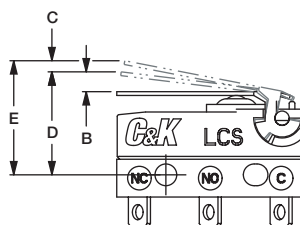
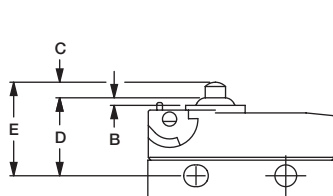
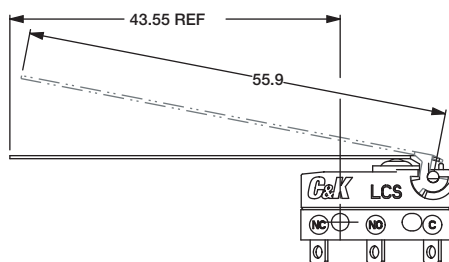
S26



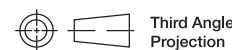
T05



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



Dimensions are shown: mm

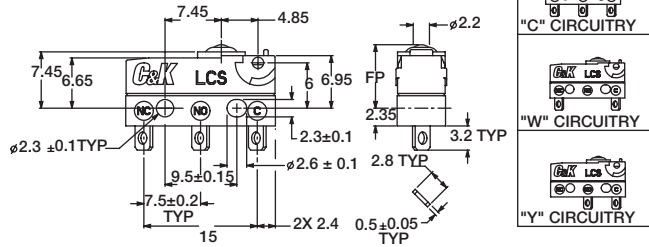
Specifications and dimensions subject to change



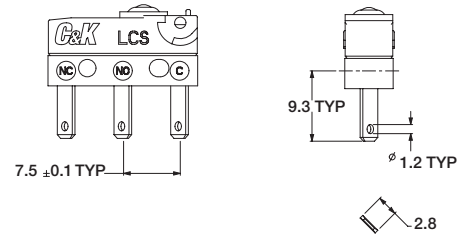
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TERMINATIONS

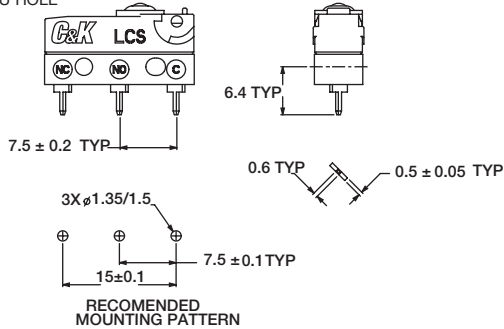
S SOLDER



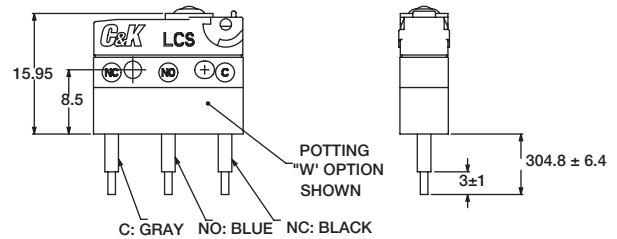
Q QUICK CONNECT 2.8mm / 0.110"



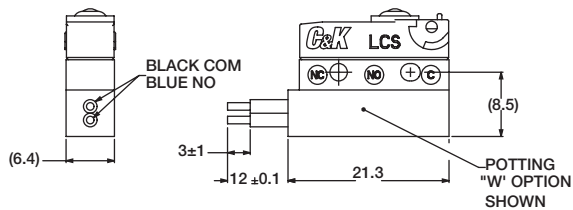
P PC THRU HOLE



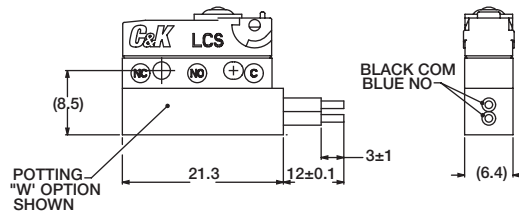
Z or W "A" WIRE ORIENTATION



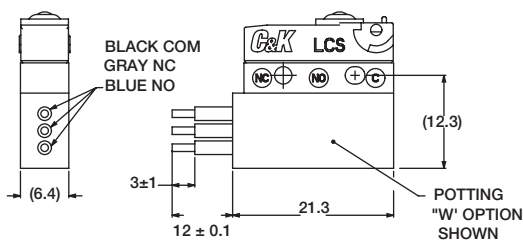
Z or W "B" WIRE ORIENTATION "Y" OR "W" CIRCUITRY



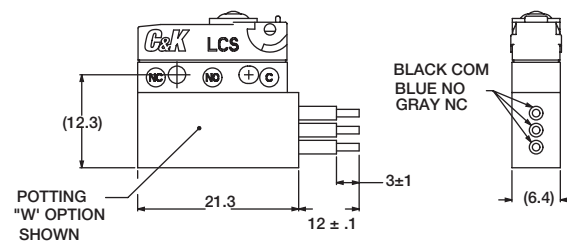
Z or W "C" WIRE ORIENTATION "Y" OR "W" CIRCUITRY



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



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

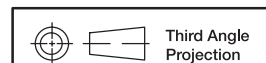


CIRCUITRY

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

C&K

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J-67

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