LCS Series
Subminiature 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*

Typical Applications

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

Specifications

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

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

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.

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-40 thru J-43. For additional options not shown in catalog, consult Customer Service Center.

L C S

Series
LCS

Electrical Rating

Option Code	UL 61058-1	
01	0.1 A 125/250 V AC	NA
05	5 A 125/250 V AC	6 A 250 V AC

Operating Force
2 203 grams

Actuator
P00 Pin plunger
T00 11.9 mm short lever
T05 17.4 mm short lever
T07 19.4 mm short lever
T13 25.5 mm lever
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

Terminations
S Solder
Q 0.110 Quick Connect
P PC Thru Hole
W Wire leads potted
Z Wire leads non-potted

Wire Side (when required)
A Wire out the bottom
B Wire out the right side
C Wire out the left side
D None

Wire Type AWG (when required)
20 20 AWG
22 22 AWG
24 24 AWG
26 26 AWG

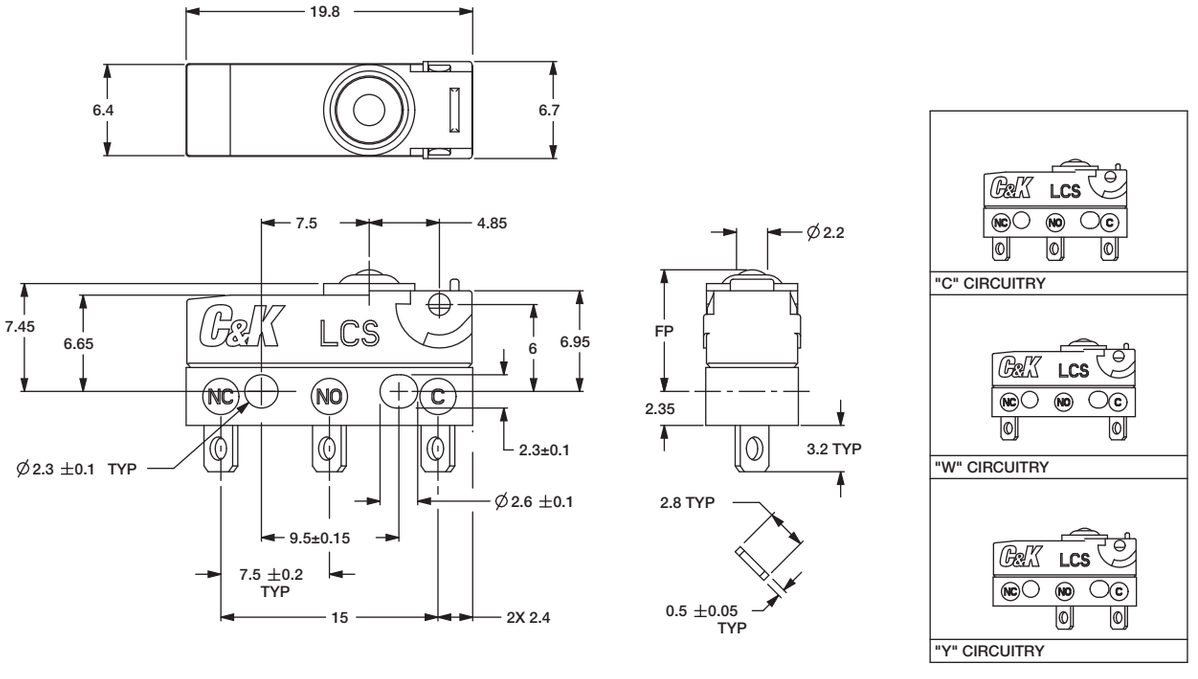
Wire UL # (when required)
A UL1007
B UL1015
C UL1430
D UL1061

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

Dimensions are shown: mm
Specifications and dimensions subject to change

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.

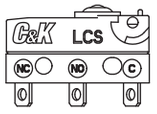
Third Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

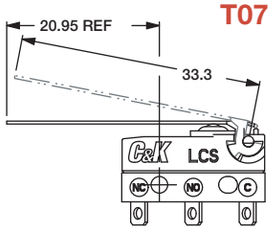
LCS Series
Subminiature Sealed Snap-acting Switches

ACTUATOR

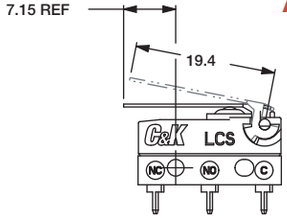
P00



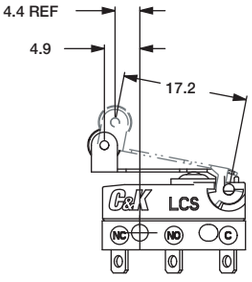
T19



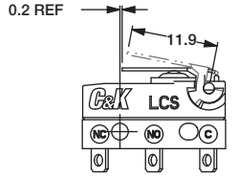
T07



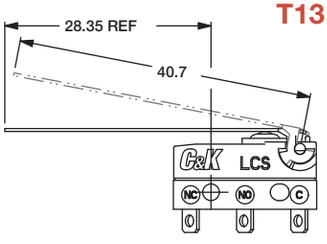
A05



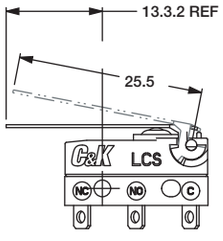
T00



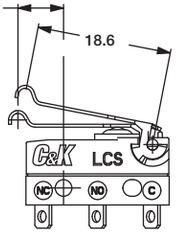
T28



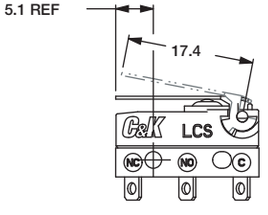
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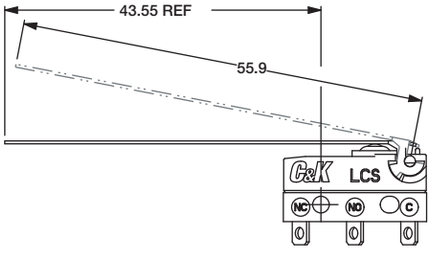
S26

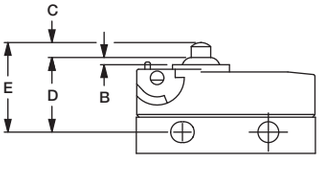


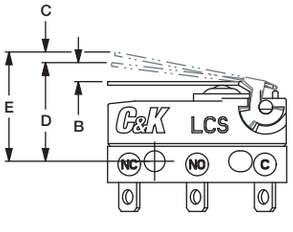
T05

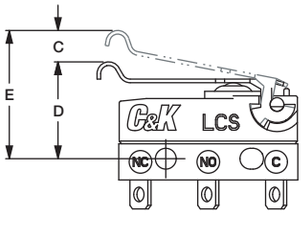


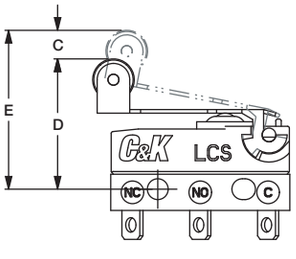
T43











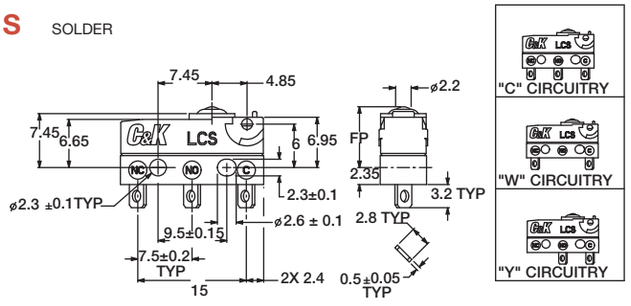
ACTUATOR OPTION CODE	A	B	C	D	E	DIFFERENTIAL MOTION (MAX)	OPERATING FORCE (MAX)	RELEASE FORCE (MIN)
	LENGTH OF LEVER	OVER TRAVEL (MIN)	PRE TRAVEL (MAX)	OPERATING POSITION	FREE POSITION (MAX)	203	203	203
P00	N/A	0.6	1.2	8.4 ±.3	9.9	0.2	203	50
T00	11.9	0.6	3.2	8.8 ±.9	11.1	0.5	98	21
T05	17.40	0.9	4.3	8.8 ±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

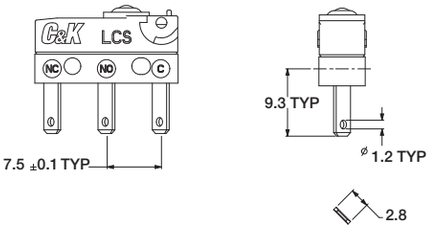
Dimensions are shown: mm
Specifications and dimensions subject to change

TERMINATIONS

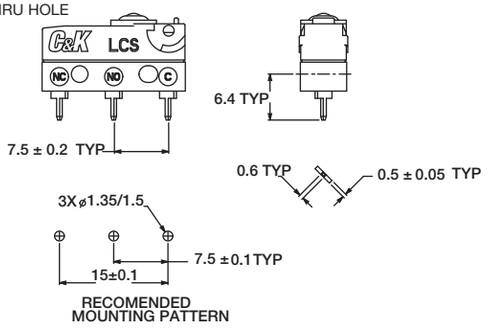
S SOLDER



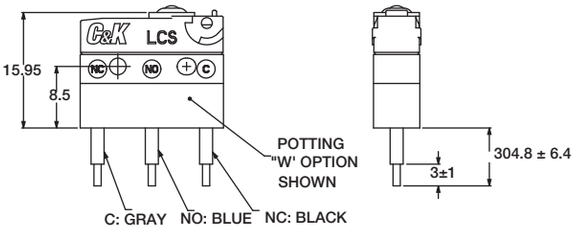
Q QUICK CONNECT 2.8mm / 0.110"



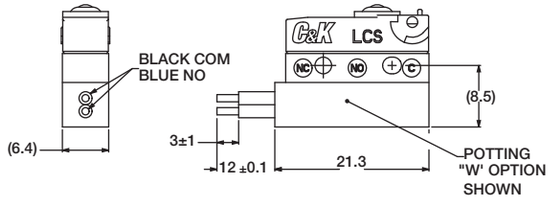
P PC THRU HOLE



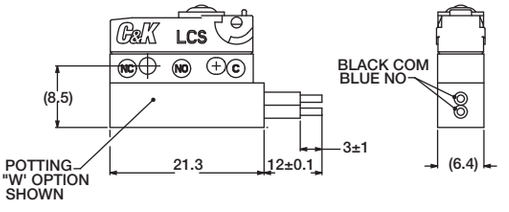
Z or W "A" WIRE ORIENTATION



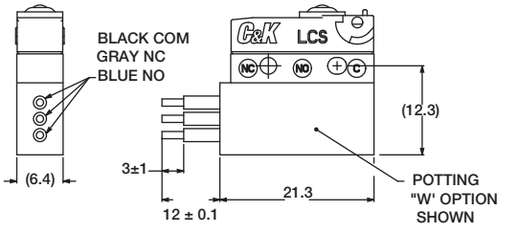
Z or W "B" WIRE ORIENTATION
"Y" OR "W" CIRCUITRY



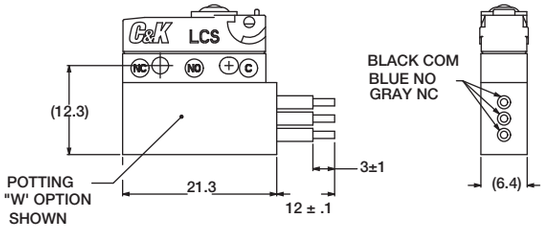
Z or W "C" WIRE ORIENTATION
"Y" OR "W" CIRCUITRY



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