

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:

-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. Available options are shown and described on pages J-40 thru J-43. 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			

Wire Side (when required)

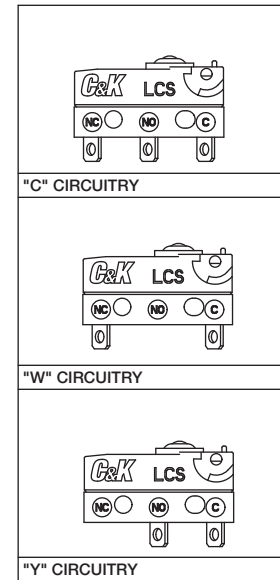
A Wire out the bottom
B Wire out the right side
C Wire out the left side
D None



Dimensions are shown: mm
Specifications and dimensions subject to change

SERIES

Technical drawings of the G&K LCS 12VDC/24VDC relay. The top drawing is a side view showing a length of 19.8 mm and a height of 6.4 mm. The bottom drawing is a front view showing a width of 15 mm and a height of 7.45 mm. It includes terminal labels NC, NO, and C, and a mounting bracket with dimensions. A detail view shows the mounting bracket with dimensions 2.8 TYP, 0.5 ± 0.05 TYP, and 3.2 TYP.



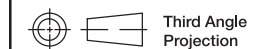
Snap-acting

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.

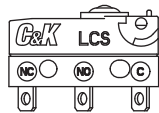


Dimensions are shown: mm
Specifications and dimensions subject to change

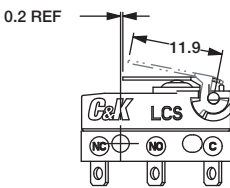
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Subminiature Sealed Snap-acting Switches

ACTUATOR 

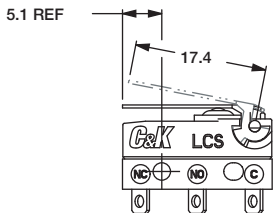
P00



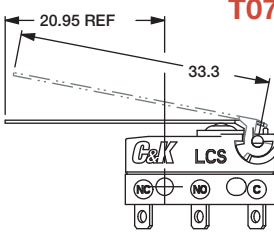
T00



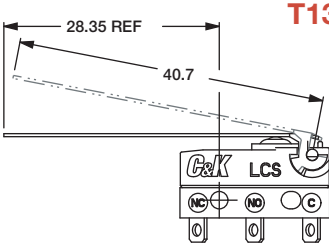
T05



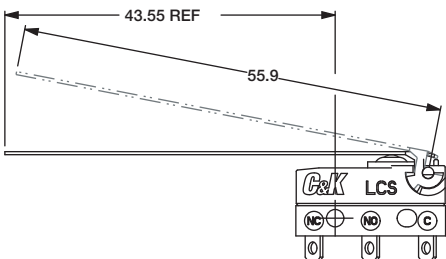
T19



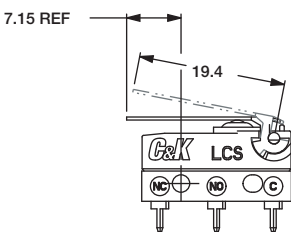
T28



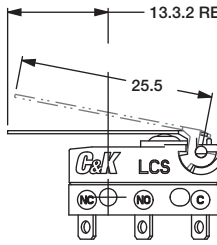
T43



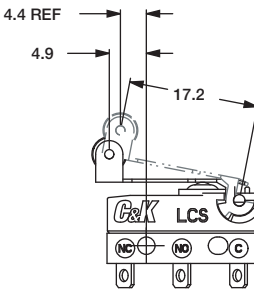
T07



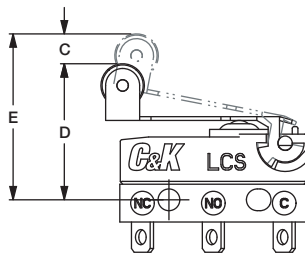
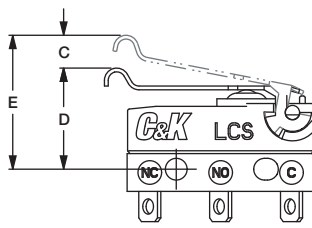
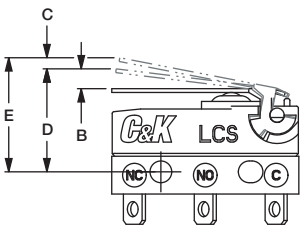
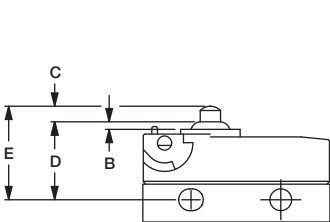
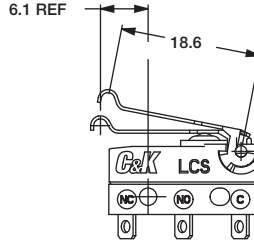
T13



A05



S26



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)			
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

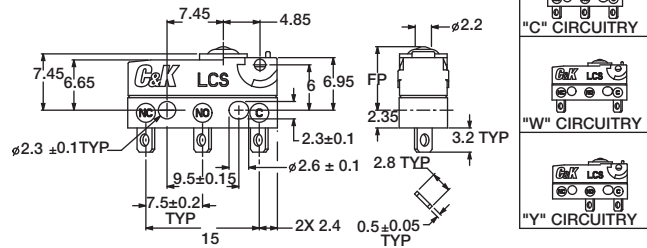


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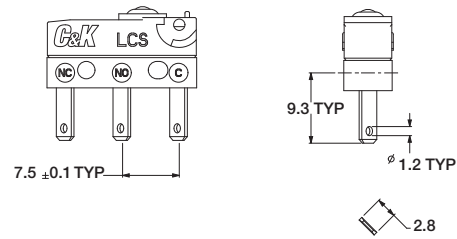
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TERMINATIONS

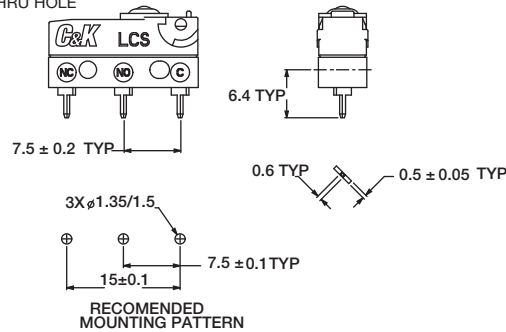
S SOLDER



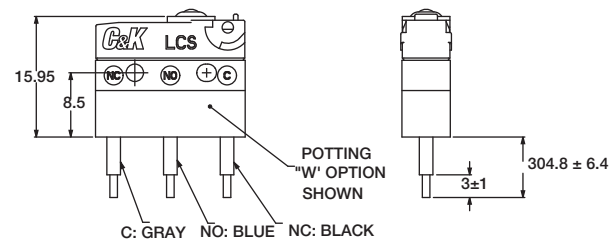
Q QUICK CONNECT 2.8mm / 0.110"



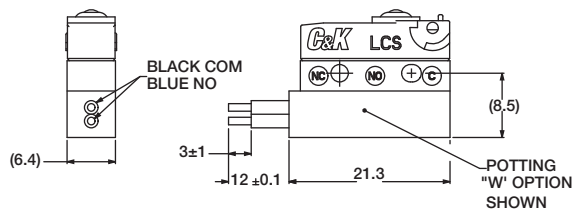
P PC THRU HOLE



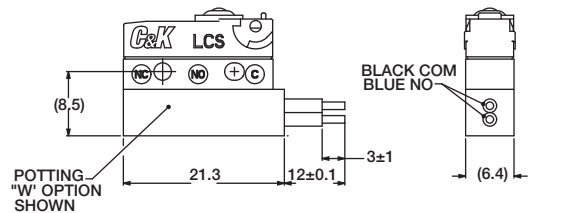
Z or W "A" WIRE ORIENTATION



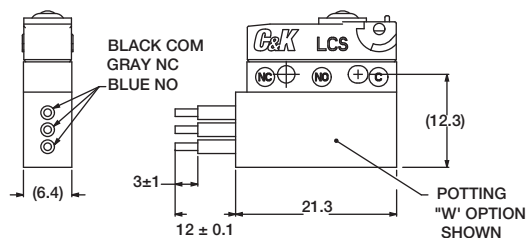
Z or W "B" WIRE ORIENTATION "Y" OR "W" CIRCUITRY



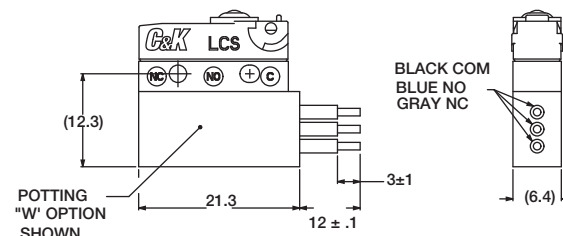
Z or W "C" WIRE ORIENTATION "Y" OR "W" CIRCUITRY



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
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C&K

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

[LCS012P00QDC](#) [LCS052A05SDC](#) [LCS012S26SDC](#) [LCS052A05QDC](#) [LCS012P00PDC](#) [LCS052T43PDC](#)
[LCS052P00SDC](#)