

LCA Series

Small Size Snap-acting Switches



Features/Benefits

- Compact design
- Long life and high electrical capacity
- Quick connect, solder terminals, PC terminals
- Wide variety of actuator styles
- RoHS compatible

Typical Applications

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

UL61058-1



Specifications

CONTACT RATING: From low level to 10.1 AMPS @ 125/250 V AC

ELECTRICAL LIFE: 0.1A @ 125/250VAC up to 1M cycles

6A & 10A @ 125/250VAC 10k cycles

5A @ 125/250VAC 100k cycles

INSULATION RESISTANCE: 100 M ohm min.

DIELECTRIC STRENGTH: 1,500 Vrms min. @ sea level.

OPERATING TEMPERATURE: -40°C to +125°C

OPERATING FORCE: 150 grams at actuator button MAX.

Forces are less at free end of lever actuators; (see ACTUATOR'S option sections).

MOUNTING: 2-56 screws, torque 2.3 in/lbs max.

Materials

SWITCH HOUSING: Thermoplastic polyester

ACTUATOR BUTTON: Thermoplastic polyester.

SPRING: Copper alloy.

PIVOT: Copper alloy.

MOVABLE CONTACTS: Silver alloy

STATIONARY CONTACTS: Silver alloy

TERMINALS: Copper alloy.

ACTUATOR LEVER: 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.

Series **LCA** SP, Mom.

Electrical Rating

Operating Force **150** 150 grams

Option Code	UL 1054	UL 61058-1	RoHS
01	0.1 A 125/250 V AC 1E4	0.1 A 125/250 V AC 1E4	0.1 A 125/250 V AC 1E4
06	6 A 125/250 V AC 1E4	6 A 125/250 V AC 1E4	6 (2)A 125/250 V AC 1E4
10	10.1 A 125/250 V AC 1E4	10.1 A 125/250 V AC 1E4	10.1 A 125/250 V AC 1E4
S5	NA	5 A 125/250 V AC 1E5	NA

Actuator

- P00** Pin plunger
- T05** 4.8 mm short lever
- T06** 6.8 mm lever
- T09** 8.8 mm lever
- T12** 12.9 mm lever
- T16** 15.2 mm lever
- T18** 18.1 mm lever
- T21** 20.1 mm lever
- T23** 23.4 mm lever
- T43** 43.5 mm lever
- S06** 6.0 mm simulated lever
- S09** 9.2 mm simulated lever
- A05** 5.0 mm lever roller

Terminations

- S** Solder
- Q** .110 Quick Connect
- P** PC Thru Hole
- L** Left Form PC
- R** Right Form PC

Circuitry

- C** SPDT
- W** SPST N.C.
- Y** SPST N.O.



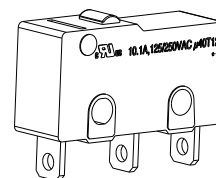
Third Angle Projection

Dimensions are shown: mm

Specifications and dimensions subject to change



SERIES

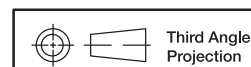


Snap-acting

RoHS COMPLIANT *	RoHS COMPATIBLE *	OPTION CODE	ELECTRICAL RATING
YES	YES	01	0.1A, 125/250 VAC
YES	YES	06	6A, 125/250 VAC
YES	YES	10	10.1A, 125/250 VAC
YES	YES	S5	5A, 125/250 VAC

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definition and specifications.

OPTION CODE	OPERATING FORCES (grams)
150	150 grams max.



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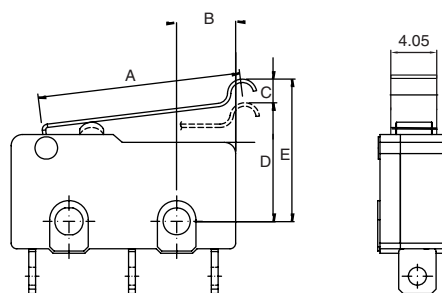
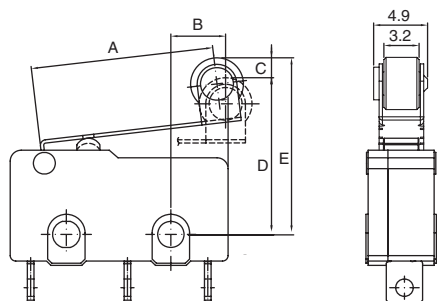
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ACTUATOR

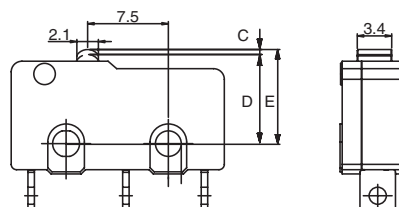
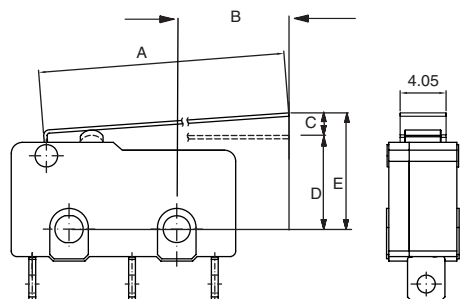
A05 LEVER ROLLER

SXX SIMULATED ROLLER



TXX LEVER

P00



ACTUATOR OPTION CODE	A (mm)	B REF (mm)	C (mm)	D (mm)	E (mm)	DIFF. MOTION mm MAX	OPER. FORCE grams MAX	RELEASED FORCE Grams MAX	OVER TRAVEL MIN
	LENGTH OF LEVER	LEVER LENGTH MTG. HOLE TO OP	PRE- TRAVEL MAX	OPERATING POSITION	FREE POSITION MAX				
P00	N/A	N/A	1.1	8.5±0.3	9.3	0.20	150	25	0.40
T05	16.70	4.80	3.60	8.95±0.8	11.75	0.80	50	6	0.60
T06	18.70	6.80	4.03	8.9±0.9	12.09	0.90	45	5	0.67
T09	20.60	8.80	5.64	9.15±1.35	13.45	1.83	33	2	0.75
T12	24.80	12.90	3.35	8.95±1.9	13.1	1.17	34	2	0.89
T16	27.10	15.20	7.20	9.15±1.7	15.15	1.30	40	1	0.70
T18	30.00	18.28	7.70	8.95±1.9	14.65	1.50	32	1	1.20
T21	32.00	20.10	8.00	8.15±1.85	15.55	1.60	35	1	1.00
T23	35.20	23.40	8.60	8.95±2.0	15.55	1.80	25	1	1.50
T36	47.60	35.90	N/A	N/A	N/A	N/A	N/A	N/A	N/A
T43	55.20	43.50	10.45	8.95±3.0	19.25	2.90	15	1	1.00
S06	17.90	6.00	3.86	10.85±0.9	17.81	0.86	47	5	0.64
S09	21.10	9.00	5.70	16.15±1.5	20.35	1.00	42	2	1.00
A05	16.00	5.00	3.80	14.65±0.8	17.65	0.80	50	6	0.60



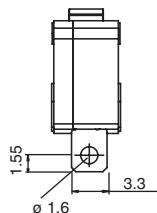
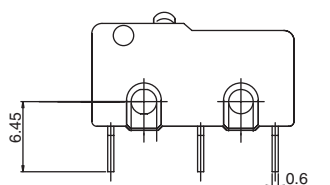
Third Angle
Projection

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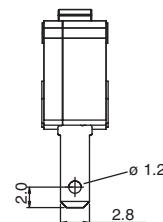
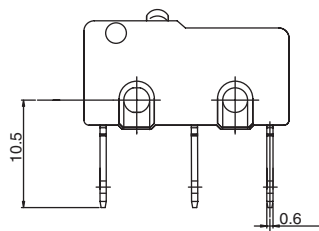
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TERMINATIONS

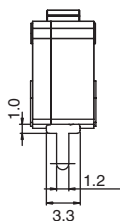
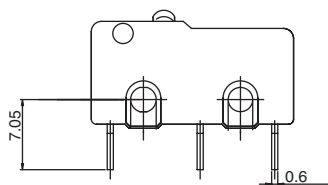
S SOLDER



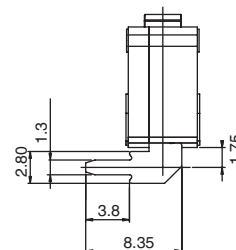
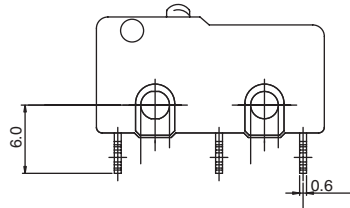
Q QUICK CONNECT



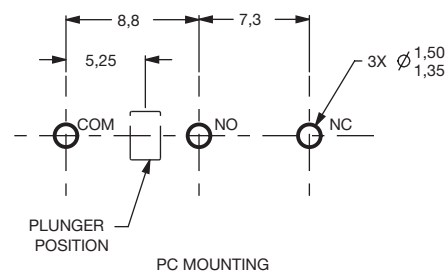
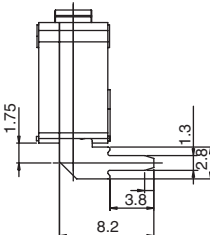
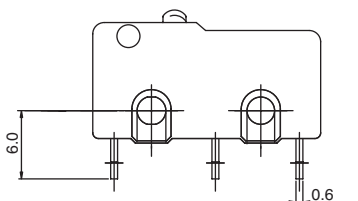
P PC THRU HOLE



L LEFT FORM PC



R RIGHT FORM PC



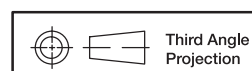
Snap-acting

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

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C&K

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[LCA10A140L05QC](#) [LCA10A140L36QC](#) [LCA10A140L18SC](#) [LCA10A140L05SC](#) [LCA10A140P00QY](#)
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