

LCA Series

Subminiature 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

UL61058-1



Specifications

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

ELECTRICAL LIFE: see chart below

MECHANICAL LIFE: 300,000 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. Available options are shown and described on pages J-36 thru J-39. 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	E4
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.



Dimensions are shown: mm

Specifications and dimensions subject to change



SERIES

Technical drawing of a mechanical part, showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 19.8
- Distance from left edge to center of first hole: 7.5
- Distance between centers of two holes: 7.3
- Distance from right edge to center of second hole: 5.1
- Overall height: 9.5
- Top flange thickness: 2.1
- Distance from top flange to center of first hole: 2.45
- Distance from top flange to center of second hole: 2.4
- Distance from bottom edge to center of first hole: 1.86
- Distance from bottom edge to center of second hole: 0.6
- Hole diameters: $\phi 2.5$ and $\phi 2.4$
- Bottom flange thickness: 0.6

Side View Dimensions:

- Overall width: 6.4
- Distance from left edge to center of hole: 3.3
- Distance from right edge to center of hole: 1.2
- Overall height: 10.6
- Top flange thickness: 3.4
- Distance from top flange to center of hole: 1.0
- Bottom flange thickness: 1.0
- Radius: R0.3

ELECTRICAL RATING

Snap-acting

OPERATING FORCE 

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



LCA Series

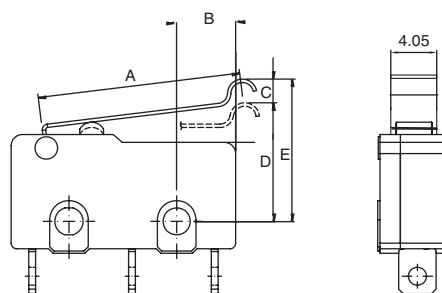
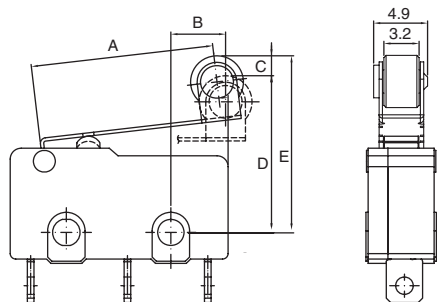
Subminiature Snap-acting Switches

ACTUATOR



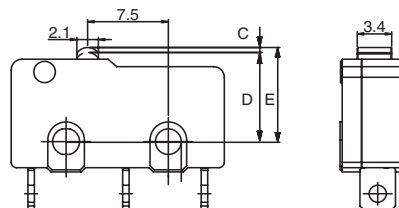
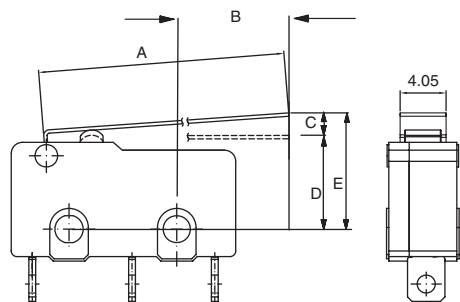
A05 LEVER ROLLER

SXX SIMULATED ROLLER



TXX LEVER

P00



ACTUATOR OPTION CODE	A mm	B ref. mm	C mm	D mm	E mm	Diff. Motion mm	Oper. Force max. grams	Release Force min. grams	Over Travel min.
	LENGTH OF LEVER	Lever length for front mtg. hole to OP	PRE TRAVEL (MAX)	OPERATING POSITION	FREE POSITION (MAX)	max			
P00	NA	NA	1.10	8.55 ± 0.3	9.35	0.20	150	25	0.4
T05	16.70	4.80	3.60	8.95 ± 0.8	11.75	0.80	50	6	0.6
T06	18.70	6.80	4.03	8.9 ± 0.9	12.09	0.90	45	5	0.67
T09	20.60	9.10	5.64	9.15 ± 1.35	13.45	1.83	33	2	0.75
T12	24.80	12.90	3.35	8.95 ± 1.5	13.10	1.19	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	18.10	7.70	8.95 ± 1.9	14.65	1.50	32	1	1.2
T21	32.00	20.10	8.00	8.15 ± 1.85	15.55	1.60	35	1	1.0
T23	35.20	23.40	8.60	8.95 ± 2.0	15.55	1.80	25	1	1.5
T43	55.20	43.50	10.45	8.95 ± 3.0	19.25	2.90	15	1	1.0
S06	17.90	6.00	3.86	10.85 ± 0.9	17.81	0.86	47	5	0.64
S09	21.10	9.20	5.7	16.15 ± 1.5	20.35	1.00	42	2	1.0
A05	16.60	5.00	3.8	14.65 ± 0.8	17.65	0.80	50	6	0.6



Third Angle
Projection

Dimensions are shown: mm

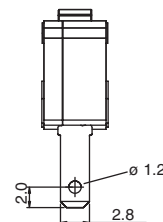
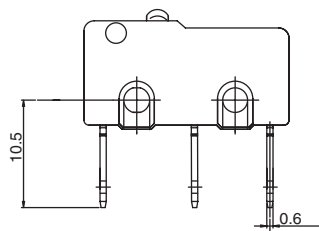
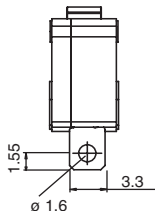
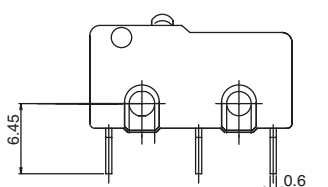
Specifications and dimensions subject to change

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TERMINATIONS

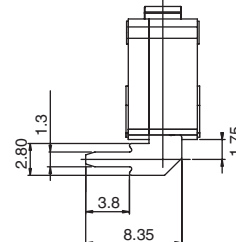
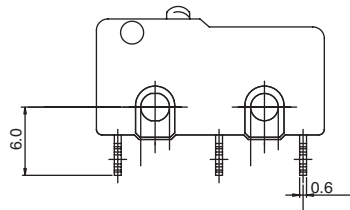
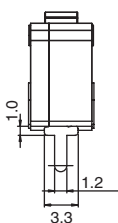
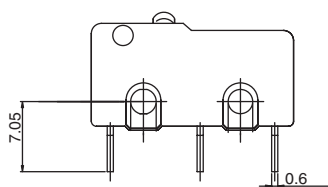
S SOLDER

Q QUICK CONNECT

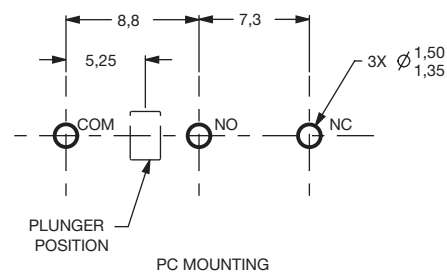
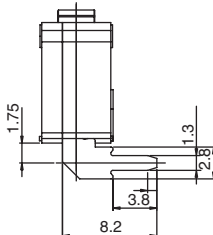
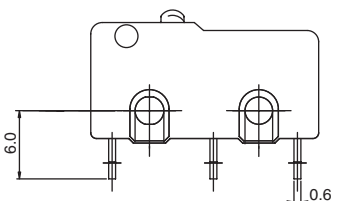


P PC THRU HOLE

L LEFT FORM PC



R RIGHT FORM PC



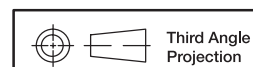
Snap-acting

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

Dimensions are shown: mm
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C&K

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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