# 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*

Models Available

## Specifications

CONTACT RATING: From low level to 10.1 AMPS @ 125/250 V AC
ELECTRICAL LIFE: 10,000 cycles @10.1 AMPS
100,000 cycles @ 6 AMPS
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.

**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
ACTUATOR BUTTON: Thermoplastic polyester.
SPRING: Copper alloy.
PIVOT: Copper alloy.
MOVABLE CONTACTS: Silver Nickel
STATIONARY CONTACTS: Silver nickel on copper alloy.
TERMINALS: Copper alloy.
ACTUATOR LEVER: 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-22 thru J-24. For additional options not shown in catalog, consult Customer Service Center.

L C A — — 1 5 0 — — — — —

**Series**
**LCA** SP, Mom.

**Contact Rating**
**06** 6 A, 125/250 VAC
6 A, 125/250V µ40T125
**10** 10.1 A, 125/250 VAC
10.1A, 125/250V µ40T125
6 (2)A, 125/250V µ40T125
**01** 0.1 A, 125/250 VAC
0.1A, 125/250V µ40T125

**Operating Force**
**150** 150 grams

**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** 15.6 mm lever
**T18** 18.1 mm lever
**T21** 20.1 mm lever
**T23** 23.4 mm lever
**T36** 36.1 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

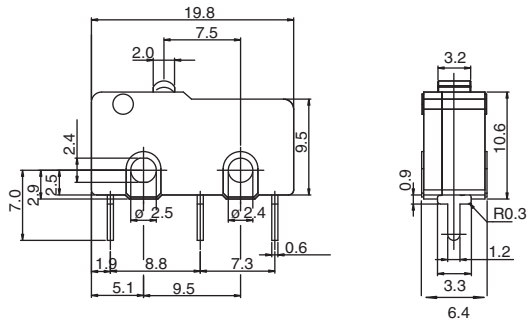
**Circuitry**
**C** SPDT
**W** SPST N.C.
**Y** SPST N.O.

J Snap-acting

# LCA Series
# Subminiature Snap-acting Switches

## SERIES

### LCA






## ELECTRICAL RATING

| RoHS COMPLIANT * | RoHS COMPATIBLE * | OPTION CODE | ELECTRICAL RATING |
|---|---|---|---|
| YES | YES | 06 | 6A, 125/250 VAC |
| YES | YES | 10 | 10.1A, 125/250 VAC |
| YES | YES | 01 | .1A, 125/250 VAC |

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

## OPERATING FORCE

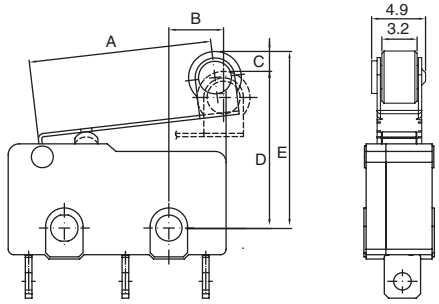
| OPTION CODE | OPERATING FORCES (grams) |
|---|---|
| 150 | 150 grams max. |

Third Angle Projection

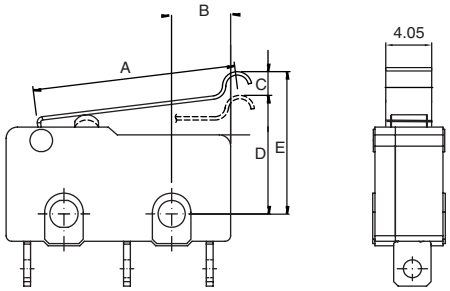
*Dimensions are shown: mm*
*Specifications and dimensions subject to change*

## ACTUATOR

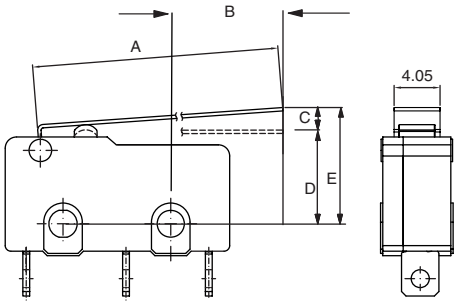
### A05 LEVER ROLLER



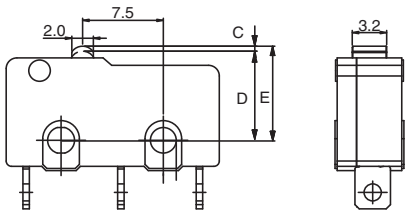

### SXX SIMULATED ROLLER




### TXX LEVER




### P00




| ACTUATOR OPTION CODE | A mm LENGTH OF LEVER | B r mm Lever length for front mtg. hole to OP | eC mm PRE TRAVEL (MAX) | D mm OPERATING POSITION | E mm FREE POSITION (MAX) | Diff. Motion mm max | Oper. Force max. grams | Release Force min. grams | Over Travel min. |
|---|---|---|---|---|---|---|---|---|---|
| P00 | NA | NA | 1.1 | 8.5 ± .0.3 | 9.3 | 0.20 | 150 | 25 | 0.4 |
| T05 | 16.70 | 4.80 | 3.6 | 8.9 ± .08 | 11.7 | 0.80 | 50 | 6 | 0.6 |
| T06 | 18.70 | 6.80 | 4.0 | 8.9 ± .09 | 12.0 | 0.90 | 45 | 5 | 0.67 |
| T09 | 20.60 | 9.10 | 4.3 | 9.15 ± 1.35 | 13.5 | 1.83 | 33 | 2 | 0.75 |
| T12 | 24.80 | 12.90 | 5.4 | 8.9 ± 1.5 | 13.1 | 1.19 | 34 | 2 | 0.89 |
| T16 | 27.10 | 15.60 | 6.0 | 9.15 ± 1.7 | 15.2 | 1.30 | 40 | 1 | 0.70 |
| T18 | 30.00 | 18.50 | 6.0 | 9.15 ± 1.9 | 14.6 | 1.50 | 32 | 1 | 1.2 |
| T21 | 32.00 | 20.50 | 6.4 | 9.15 ± 1.85 | 15.5 | 1.60 | 35 | 1 | 1.0 |
| T23 | 35.20 | 23.40 | 8.6 | 8.9 ± 2.0 | 15.6 | 1.80 | 25 | 1 | 1.5 |
| T36 | 47.60 | 36.10 | 10.9 | 8.85 ± 4.2 | 17.1 | 3.40 | 30 | 1 | 1.0 |
| T43 | 55.20 | 43.50 | 13.3 | 8.9 ± 3.0 | 19.2 | 2.90 | 15 | 1 | 1.0 |
| S06 | 17.90 | 6.00 | 3.9 | 10.8 ± 0.9 | 13.76 | 0.86 | 47 | 5 | 0.64 |
| S09 | 21.10 | 9.20 | 5.7 | 16.1 ± 1.5 | 20.3 | 1.00 | 42 | 2 | 1.0 |
| A05 | 16.60 | 5.00 | 3.8 | 14.6 ± 0.8 | 17.6 | 0.80 | 50 | 6 | 0.6 |



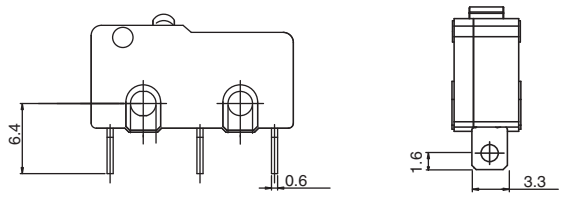
Third Angle Projection

*Dimensions are shown: mm*
*Specifications and dimensions subject to change*

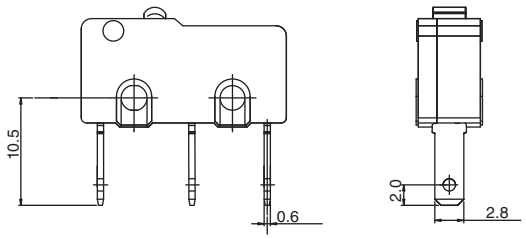
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## TERMINATIONS

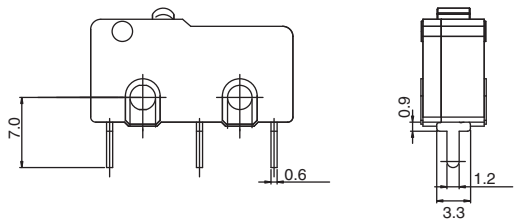
### S SOLDER



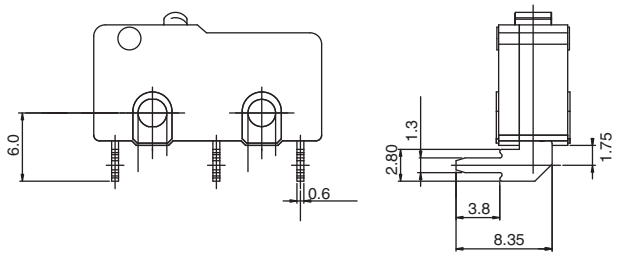

### Q QUICK CONNECT



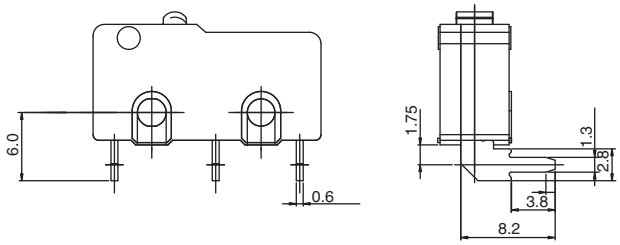

### P PC THRU HOLE

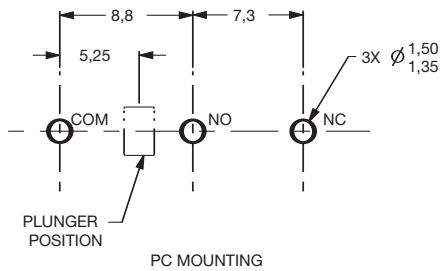



### L LEFT FORM PC




### R RIGHT FORM PC




PC MOUNTING

Third Angle Projection

*Dimensions are shown: mm*
*Specifications and dimensions subject to change*

## 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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