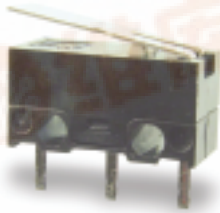


C&K ZMA Series Subminiature Snap-acting Switches



Features/Benefits

- **Reliable snap-acting mechanism**
- **Long electrical and mechanical life**
- **Compact size—Ideal when space is limited**
- **Various PCB terminals and actuators**
- **RoHS compatible**

Typical Applications

- **PCB detection switch**
- **Communication devices**
- **Testing equipment**
- **Security/Alarm systems**
- **Consumer electronics**



Models Available

Specifications

CONTACT RATING: 3A @ 125 V AC / 0.1A @ 30 V DC.
ELECTRICAL LIFE: 300,000 cycles @ 0.1A / 10,000 cycles @ 3A.
INSULATION RESISTANCE: 100 M ohm min.
DIELECTRIC STRENGTH: 500 Vrms.
OPERATING TEMPERATURE: -17°F to 185°F (-25°C to 85°C).
OPERATING FORCE: 80 or 150 grams.

* Low Level=conditions where no arcing occurs during switching, i.e., 0.4 VA max.
@ 20 V AC or DC max.

Materials

CASE: PBT
COVER/ACTUATOR: Nylon 6/6
MOVABLE CONTACTS: Silver or gold plated.
STATIONARY CONTACTS: Silver or gold plated.
TERMINALS: Brass, tin plated.

NOTE: For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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 F-18 and F-19. For additional options not shown in catalog, consult Customer Service Center.

	Z	M	A							C
Series	_____									
ZMA	SP, Mom.									
Electrical Rating	_____									
00A	0.1A 30 V DC									
03A*	3A 125 V AC									
Operating Force	_____									
150	5.29 oz. / 150 grams									
080*	2.82 oz. / 80 grams									
Actuator	_____									
P00	Pin plunger									
L04	Leaf									
Terminations	_____									
P	PC Thru-hole									
L	Left-footed, PC Thru-hole									
R	Right-footed, PC Thru-hole									
	C SPDT									

*Electrical rating 03A is not available with Operating Force rating of 080.



F

Detect

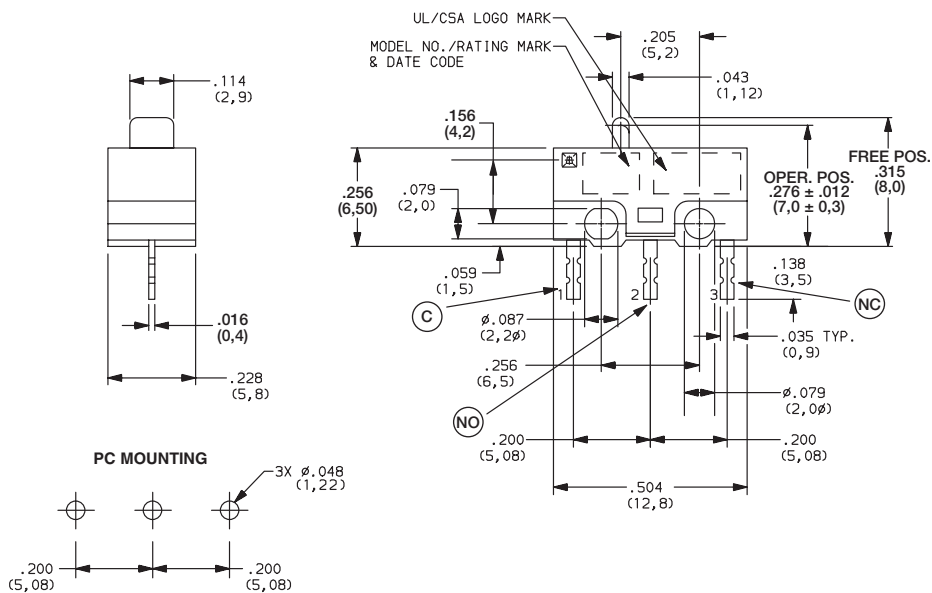


C&K ZMA Series

Subminiature Snap-acting Switches

SERIES **ZMA**

ZMA SUBMINIATURE SNAP-ACTING SWITCHES – SP MOMENTARY



ZMA03A150L04PC
SPDT

ELECTRICAL RATING

OPTION CODE	CONTACT MATERIAL		ELECTRICAL RATING
	MOVABLE CONTACT	STATIONARY CONTACT	
00A	GOLD OVER FINE SILVER	GOLD OVER FINE SILVER	0.1 AMP @ 30 V DC
03A*	FINE SILVER	FINE SILVER	3 AMPS @ 125 V AC

All models   with all options.

Consult Customer Service center for availability and delivery of nonstandard ratings.

*Electrical rating 03A is not available with Operating Force rating of 080.

OPERATING FORCE

OPTION CODE	BASIC SWITCH OPERATING FORCE (OZ./GRAMS)
150	5.29 150
080*	2.82 80

*Electrical rating 03A is not available with Operating Force rating of 080.



F

Detect

C&K ZMA Series Subminiature Snap-acting Switches

ACTUATOR

P00

PIN PLUNGER

L04

LEAF

SWITCH CHARACTERISTICS									
	Maximum Operate Force (oz. / grams)		Minimum Release Force (oz./grams)		Free Position Max	Maximum Pre-travel	Operate Position	Maximum Differential	Minimum Overtravel
Option Code	080	150	080	150	All	All	All	All	All
P00	2.82 80	5.29 150	0.35 10	0.71 20	0.289 (7,35)	0.024 (0,62)	0.272 +/- 0.012 (6,9 +/- 0,3)	0.005 (0,12)	0.008 (0,2)
L04	1.06 30	1.76 50	0.18 5	0.28 8	0.398 (10,1)	0.031 (3,0)	0.311 +/- 0.031 (7,9 +/- 0,8)	0.031 (0,8)	0.024 (0,6)

TERMINATIONS

P

PC THRU-HOLE

L

LEFT FOOTED, PC THRU-HOLE

R

RIGHT FOOTED, PC THRU-HOLE