

ZPA Series

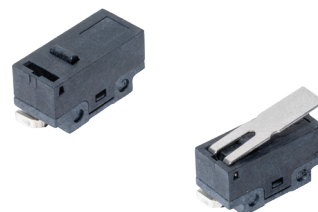
Surface Mount Snap-acting Switches

Features/Benefits

- **Reliable snap-acting mechanism**
- **Long electrical and mechanical life**
- **Mini packaging size**
- **Surface mount terminations**
- **RoHS compatible & compliant**

Typical Applications

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



Specifications

CONTACT RATING: 0.1A @ 125 V AC 30 V DC

ELECTRICAL LIFE: 1,000,000 cycles @ 0.1A

MECHANICAL LIFE: 1,000,000 cycles

INSULATION RESISTANCE: 100 M ohm min.

DIELECTRIC STRENGTH: 500 Vrms

OPERATING TEMPERATURE: -40°C to +85°C

OPERATING FORCE: 80 or 150 grams

PACKAGING: Switches are supplied in rigid dispensing tubes in full-tube quantities only, this may affect order quantities. Tape and reel packing also available.

Materials

CASE/COVER: LCP

ACTUATOR: LCP

MOVABLE CONTACT: Silver alloy

STATIONARY CONTACTS: Silver alloy

TERMINALS: Brass, silver plated.

NOTE: Specifications and materials listed above are for switches with standard options.

Build-A-Switch

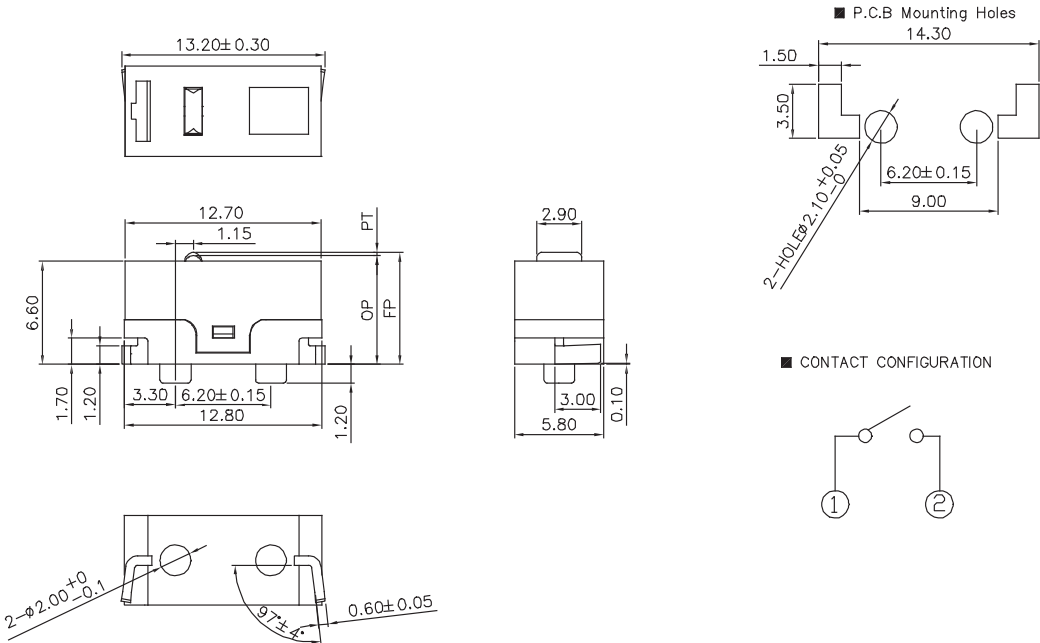
To order, simply select desired option from each category and place in the appropriate box. For additional options not shown in catalog, consult Customer Service Center.

	Z	P	A	0	0	A					T		
Series	ZPA SP, Mom.			00A 0.1A 30 V DC 0.1A 125 V AC									
Electrical Rating													
Operating Force				080 2.82 oz. / 80 grams 150 5.29 oz. / 150 grams									
Actuator				P00 Pin plunger L04 Lever 3.9mm L11 Lever 7.2mm									
Terminations										T Surface Mount			
Packaging													NONE Tape & Reel TB Tube

ZPA Series Surface Mount Snap-acting Switches

SERIES

ZPA SURFACE MOUNT SNAP-ACTING SWITCHES – SP MOMENTARY



ELECTRICAL RATING

Option Code	Silver Contacts
00A	0.1A 30 V DC 0.1A 125 V AC

OPERATING FORCE

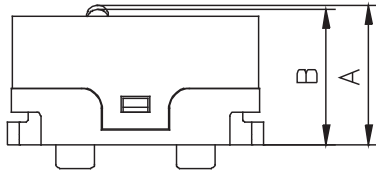
OPTION CODE	BASIC SWITCH OPERATING FORCE (OZ./GRAMS)
080	2.82 80
150	5.29 150

ZPA Series

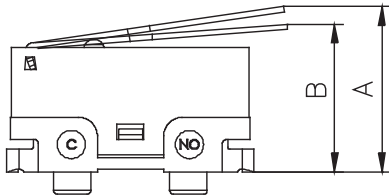
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ACTUATOR

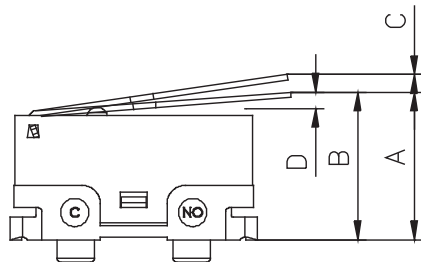
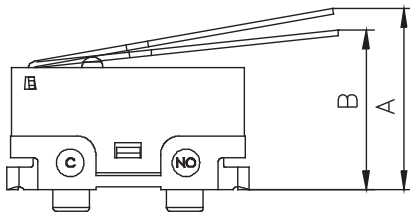
P00 PIN PLUNGER



L04 LEVER
3.9MM



L11 LEVER
7.2MM



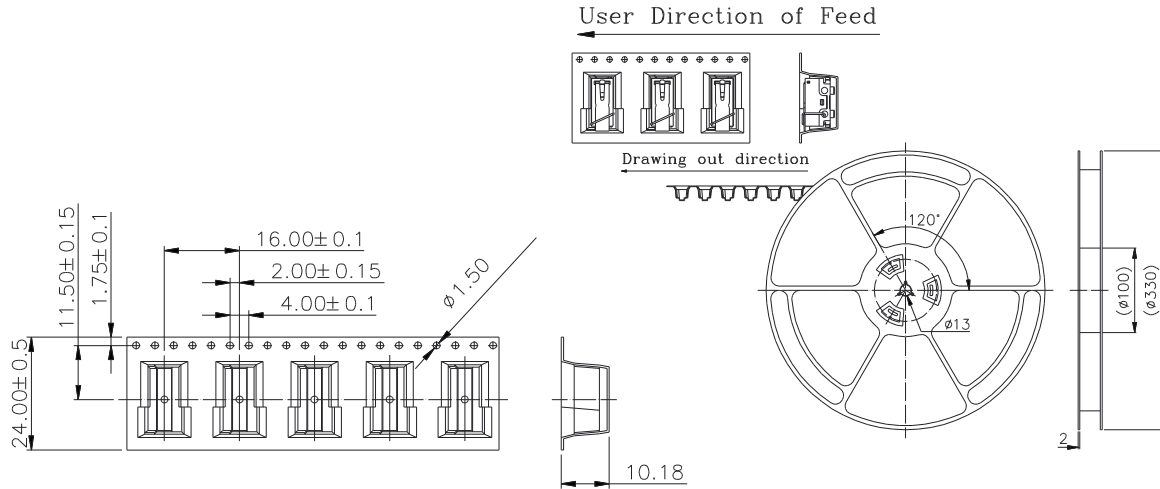
SWITCH CHARACTERISTICS

OPTION CODE	ACTUATOR	OPE. FORCE MAX.	REL. FORCE MIN.	'A' FP MAX	'B' OP MAX	'C' PT MAX	'D' OT MIN	MOVEMENT DIFFERENTIAL
80	P00	Max. 80 gf	Min. 21 gf	Max. 7.35mm	7.0±0.2 mm	Max. 0.62 mm	Min. 0.2 mm	Max. 0.12 mm
	L04	Max. 30 gf	Min. 5 gf	Max. 10.1 mm	7.9±0.8 mm	Max. 3.0 mm	Min. 0.6 mm	Max. 0.8 mm
	L11	Max. 25 gf	Min. 4 gf	Max. 11.7 mm	8.68±1.0 mm	Max. 4.4 mm	Min. 0.6 mm	Max. 0.8 mm
150	P00	Max. 150 gf	Min. 35 gf	Max. 7.35 mm	7.0±0.2 mm	Max. 0.62 mm	Min. 0.2 mm	Max. 0.12 mm
	L04	Max. 50 gf	Min. 8 gf	Max. 10.1 mm	7.9 ± 0.8 mm	Max. 3.0 mm	Min.0.6 mm	Max. 0.8 mm
	L11	Max. 39 gf	Min. 6 gf	Max. 11.7 mm	8.68 ±1.0 mm	Max. 4.4 mm	Min. 0.6 mm	Max. 0.8 mm

Snap-acting

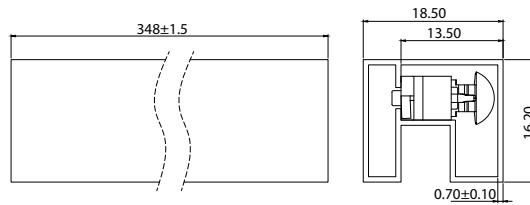
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TAPE AND REEL



Package: 400pcs/ reel

TUBE



Package: 25pcs/ tube



Snap-acting

Mouser Electronics

Authorized Distributor

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

C&K Switches:

[ZPA00A080P00T](#) [ZPA00A150L04T](#) [ZPA00A150L11T](#)