imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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Snap Action Switch

Single Pole General Purpose

E13, E14, G13

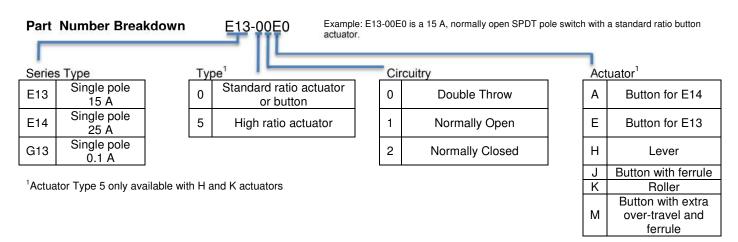


Features

- Choice of 3 current ratings
- Long life coil spring, snap action mechanism
- Agency approved extended life versions available
- RoHS compliant
- High temperature versions available contact factory

Typical Applications

- Household appliances
- Automated assembly lines
- Brake switch on utility vehicles
- · Industrial and accessible door openers
- Vending machines



Electrical Specifications per UL1054

E13 ²	6000 operations; 100,000 available - contact factory	15 A, 125 / 250 VAC ¾ HP, 125 VAC / 1 ½ HP, 250 VAC 22 A, 48 VDC				
E14 ²	6000 operations	25 A, 125 / 250 VAC 1 HP, 125 VAC / 2 HP, 250 VAC 22 A, 48 VDC				
G13	100,000 operations	0.1 A, 125 VAC 0.1 A, 30 VDC				
2 DC ratings to 105 0C (221 0E) only						

²DC ratings to 105 ºC (221 ºF) only

Commonly Stocked Distributor Parts

E13-00E0	E13-00M0	E14-00A0	E14-01M0
E13-00H0	E13-01E0	E14-00H0	E14-50H0
E13-00J0	E13-01H0	E14-00K0	G13-00M0
E13-00K0	E13-50H0	E14-00M0	G13-50H0

Notes:

Part numbers with a leading 0 are functionally no different than without a leading 0 (ex.: 0E13-00E0 is the same switch as E13-00E0). Quick-connect terminals are standard; for custom screw terminals, contact the factory or your distributor. For configurable part numbers not listed above or for custom part numbers, contact the factory or your distributor

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Actuator Specifications³

E13/G13 Series

Actuator		Max	Max	Operating Point ⁴	Min Over-	Max	Actuation
		Operating	Pre-Travel		Travel	Movement	Length⁵
		Force				Differential	
		g (lb)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
E	-le_eF	425 (0.94)	1.27 (0.050)	7.24 ± 0.51 (0.285 ± 0.020)	2.54 (0.100)	0.38 (0.015)	N/A
Н	18.27	100 (0.22)	6.35 (0.250)	7.93 ± 1.57 (0.312 ± 0.062)	4.75 (0.187)	2.36 (0.093)	38.10 (1.500)
Н	High ratio	65 (0.14)	8.71 (0.343)	7.14 ± 1.57 (0.281 ± 0.062)	4.75 (0.187)	3.56 (0.14)	44.45 (1.750)
J		425 (0.94)	1.27 (0.050)	17.02 ± 0.76 (0.670 ± 0.030)	2.74 (0.108)	0.38 (0.015)	N/A
K	9-0-F	100 (0.22)	6.35 (0.250)	18.24 ± 1.57 (0.718 ± 0.062)	4.75 (0.187)	2.36 (0.093)	35.33 (1.391)
K	High ratio	63 (0.14)	10.24 (0.403)	17.45 ± 1.57 (0.687 ± 0.062)	4.75 (0.187)	2.36 (0.093)	41.28 (1.625)
М	- E	425 (0.94)	1.27 (0.050)	20.63 ± 0.76 (0.812 ± 0.030)	5.54 (0.218)	0.38 (0.015)	N/A

E14 Series

Actuator		Max	Max	Operating Point ⁴	Min Over-	Max	Actuation
		Operating	Pre-Travel		Travel	Movement	Length⁵
		Force				Differential	•
		g (lb)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
А	-هههه	850 (1.87)	2.54 (0.100)	6.30 ± 0.66 (0.248 ± 0.026)	1.27 (0.050)	0.38 (0.015)	N/A
Н	-10-47	280 (0.62)	7.93 (0.312)	11.89 ± 1.57 (0.468 ± 0.062)	2.67 (0.105)	1.27 (0.050)	20.85 (0.821)
Н	High ratio	170 (0.37)	13.34 (0.525)	11.10 ± 1.57 (0.437 ± 0.062)	5.54 (0.218)	2.03 (0.080)	27.20 (1.071)
J		850 (1.87)	2.54 (0.100)	16.08 ± 0.76 (0.633 ± 0.030)	1.27 (0.050)	0.38 (0.015)	N/A
K	2F	285 (0.63)	8.84 (0.348)	21.84 ± 1.57 (0.860 ± 0.062)	3.30 (0.130)	1.14 (0.045)	17.48 (0.688)
K	High ratio	211 (0.47)	12.27 (0.483)	21.03 ± 1.57 (0.828 ± 0.062)	5.54 (0.218)	1.85 (0.073)	23.95 (0.943)
М	-	850 (1.87)	2.54 (0.100)	19.69 ± 0.76 (0.775 ± 0.030)	4.27 (0.168)	0.38 (0.015)	N/A

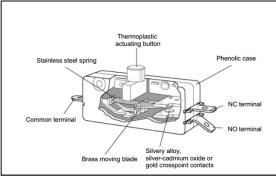
³Contact factory regarding combinations not shown ⁴Measured above reference line; refer to dimensional drawing below ⁵Actuator tolerances ± 0.791 mm (0.031"); G13 has operating point tolerance of ± 7.62 (0.30); E14 H and K actuators are shorter and formed up 11° at the button

Material Specifications

Case	General Purpose Phenolic
Actuating Button	Thermoplastic
Common Terminal	Copper Alloy
NO and NC Terminal	Copper Alloy (E13, G13) Copper (E14)
Moving Blade	Copper Alloy (E13, G13) Copper (E14)
Spring	Stainless Steel
Auxiliary Actuators	Cold-Rolled Steel (Nickel-Plated)
Roller	Sintered Stainless Steel
Contacts	Gold Crosspoint (G13) Silver Alloy (E13, E14)

Environmental Specifications

Temperature Rating	105 ℃ (221 ℉) standard 150 ℃ (302 ℉) available
	200 °C (392 °F) available for E13
Flammability Rating	UL94HB



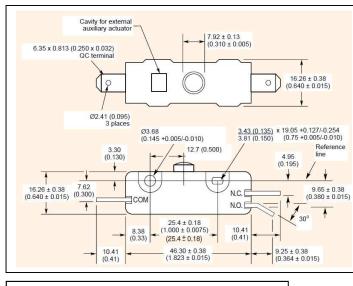
Dimensions – see page 3

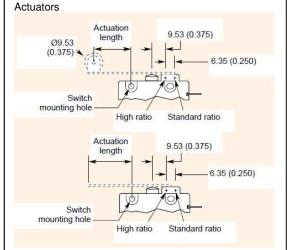
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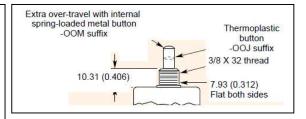
Page 2 of 3, Last saved by 2015-03-02, Specifications subject to change without notice.



Dimensions – mm (inches)







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