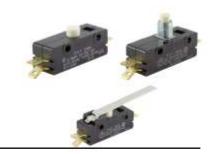
Snap Action Switch

Single Pole General Purpose

E13, E14, G13

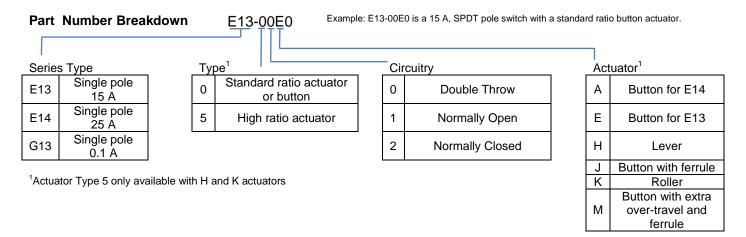


Features

- · 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 ³ ⁄ ₄ HP, 125 VAC / 1 ½ HP, 250 VAC ² ⁄ ₂ A, 48 VDC
E14 ²	6000 operations	25 A, 125 / 250 VAC 1 HP, 125 VAC / 2 HP, 250 VAC ² 2 A, 48 VDC
G13	100,000 operations	0.1 A, 125 VAC 0.1 A, 30 VDC

²DC ratings to 105 °C (221 °F) 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



Actuator Specifications³

E13/G13 Series

Actuator		Max	Max	Operating Point⁴	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	la, e.f-	425 (0.94)	1.27 (0.050)	$7.24 \pm 0.51 \ (0.285 \pm 0.020)$	2.54 (0.100)	0.38 (0.015)	N/A
Н	- 344	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)	$7.14 \pm 1.57 \ (0.281 \pm 0.062)$	4.75 (0.187)	3.56 (0.14)	44.45 (1.750)
J	le H^A ∺	425 (0.94)	1.27 (0.050)	$17.02 \pm 0.76 \ (0.670 \pm 0.030)$	2.74 (0.108)	0.38 (0.015)	N/A
K	'	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.D.	425 (0.94)	1.27 (0.050)	$20.63 \pm 0.76 \ (0.812 \pm 0.030)$	5.54 (0.218)	0.38 (0.015)	N/A

E14 Series

Actuator		Max	Max	Operating Point⁴	Min Over-	Max	Actuation
		Operating	Pre-Travel		Travel	Movement	Length⁵
		Force				Differential	
		g (lb)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
Α	la si	850 (1.87)	2.54 (0.100)	$6.30 \pm 0.66 \ (0.248 \pm 0.026)$	1.27 (0.050)	0.38 (0.015)	N/A
Н		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	20°4	850 (1.87)	2.54 (0.100)	$16.08 \pm 0.76 \ (0.633 \pm 0.030)$	1.27 (0.050)	0.38 (0.015)	N/A
K	'	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	E.D.	850 (1.87)	2.54 (0.100)	$19.69 \pm 0.76 \ (0.775 \pm 0.030)$	4.27 (0.168)	0.38 (0.015)	N/A

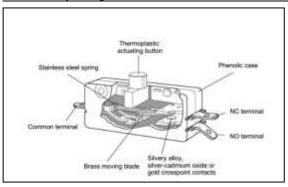
³Contact factory regarding combinations not shown

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

Te	emperature Rating	105 °C (221 °F) standard 150 °C (302 °F) available 200 °C (392 °F) available for E13
	ammahility Pating	I II OALID



Dimensions - see page 3

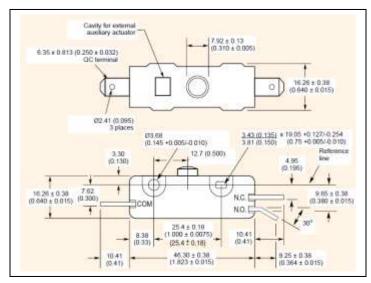
http://switches-sensors.zf.com ZF Electronics Systems Pleasant Prairie, LLC ("ZF") acquired the rights to the CHERRY branded switches and sensors in 2008. Although ZF divested its interest in the CHERRY name in 2015, the switches and sensors remain unchanged and are now sold under the ZF brand.

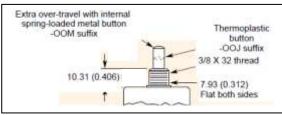


⁴Measured above reference line; refer to dimensional drawing below

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

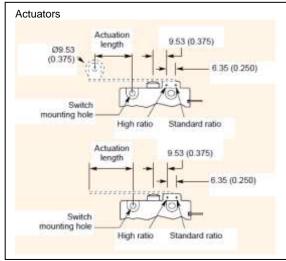
Dimensions - mm (inches)





Optional hardware

Brass hex nut: 00120023 Plated hex nut: 00120028



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Basic / Snap Action Switches category:

Click to view products by ZF Cherry manufacturer:

Other Similar products are found below:

5SM901-S12 5SM9-S12N195 602EN532 602EN535-RB 602HE5-RB1 604HE162 604HE223-6B 624HE17-RB 6HM82 6HM89 6SE1
6SX1-H58 70500216 70599106 MBD5B1 MBH2731 73-316-0012 EXD-AR20 79211923 79218589 7AS12

MIL30126AB6BBMD4A12XAU ML-1155 ML-1376 831010C3.0 831090C2.EL 83131904 84212012 8AS239 8HM73-3 8SX26-H33
914CE1-6G PL-100 11SM1077-H4 11SM1077-H58 11SM1-TN107 11SM405 11SM8423-H2 11SX37-T 11SX48-H58 11SM2442-T
11SM76-T 11SM77-H58 11SM77-T 11SM863-T 11SM866 A7CN-1M-1-LEFT A831700C7.0 121EN188-R 1245.0120