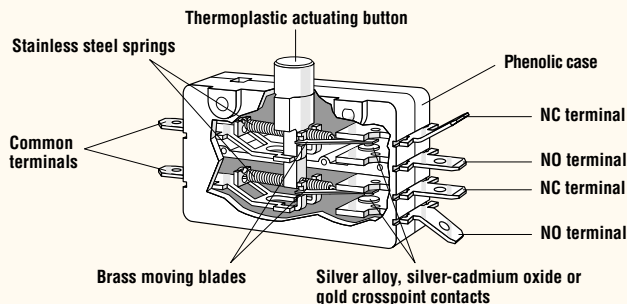


GENERAL PURPOSE — SINGLE & DOUBLE POLE

E Series

Features

- 5 current ratings
- Choice of actuator styles
- 3 terminal types (optional screw terminals available — consult factory)
- 3 contact arrangements
- Long-life coil spring mechanism
- High-temperature 150°C and 200°C available on select models (consult factory)



Electrical Ratings

Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load	
			According to VDE (Min. Operations)	According to UL (Min. Operations)
E13/E19	N/A	15A, 125/250VAC; 3/4HP, 125VAC 1-1/2HP, 250VAC	N/A	6,000*
E19A (mixed ratings)	N/A	15A, 125/250VAC; 0.1A, 125VAC	N/A	6,000
E14/E25	N/A	25A, 125/250VAC; 1HP, 125VAC 2HP, 250VAC	N/A	6,000
E20	N/A	20A, 125/250VAC; 1HP, 125VAC 2HP, 250VAC	N/A	6,000
E28/E29	N/A	30.1A, 125/250/277VAC (UL Approved Only — Resistive Load Only)	N/A	6,000
E30	N/A	30.1A, 125/250VAC; 1HP, 125VAC 2HP, 250VAC	N/A	6,000
G13/G20	N/A	0.1A, 125VAC	N/A	6,000*

*Indicates 100K life available.

Specifications

Electrical

Temperature Rating:	105°C Std. (150°C and 200°C optional — E13, E14, E19, E20, G13) 85°C Std. (E28 and E29)
Flammability Rating:	UL94HB

Materials

Case:	General Purpose Phenolic
Actuating Button:	Thermoplastic Nylon
Common Terminals:	Brass (E13, E19, E19A, G13, G20) Silver-Plated Brass (E14, E20, E28, E29, E30)
NO and NC Terminals:	Brass (E13, E19, E19A, G13, G20) Copper (E14, E20, E28, E29, E30)
Moving Blade:	Brass (E13, E19, E19A, G13, G20) Silver-Plated Beryllium Copper (E14, E20, E28, E29, E30)
Spring:	Stainless Steel
Auxiliary Actuators:	Cold-Rolled Steel (Nickel-Plated)
Roller:	Sintered Stainless Steel
Contacts:	Gold Crosspoint (G13, G20, E19A) Silver-Cadmium Oxide (E13, E14, E19, E20, E28) Silver Alloy (E19A, E29, E30)

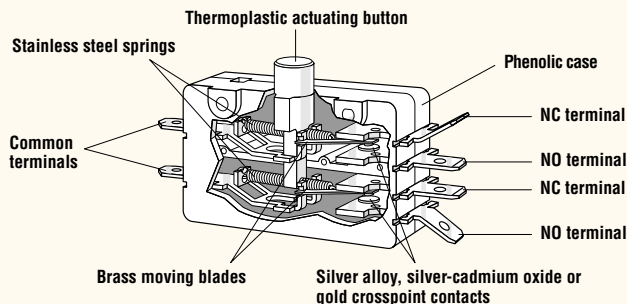


GENERAL PURPOSE — SINGLE & DOUBLE POLE

E Series

Features

- 5 current ratings
- Choice of actuator styles
- 3 terminal types (optional screw terminals available — consult factory)
- 3 contact arrangements
- Long-life coil spring mechanism
- High-temperature 150°C and 200°C available on select models (consult factory)



Electrical Ratings

Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load	
			According to VDE (Min. Operations)	According to UL (Min. Operations)
E13/E19	N/A	15A, 125/250VAC; 3/4HP, 125VAC 1-1/2HP, 250VAC	N/A	6,000*
E19A (mixed ratings)	N/A	15A, 125/250VAC; 0.1A, 125VAC	N/A	6,000
E14/E25	N/A	25A, 125/250VAC; 1HP, 125VAC 2HP, 250VAC	N/A	6,000
E20	N/A	20A, 125/250VAC; 1HP, 125VAC 2HP, 250VAC	N/A	6,000
E28/E29	N/A	30.1A, 125/250/277VAC (UL Approved Only — Resistive Load Only)	N/A	6,000
E30	N/A	30.1A, 125/250VAC; 1HP, 125VAC 2HP, 250VAC	N/A	6,000
G13/G20	N/A	0.1A, 125VAC	N/A	6,000*

*Indicates 100K life available.

Specifications

Electrical

Temperature Rating:	105°C Std. (150°C and 200°C optional — E13, E14, E19, E20, G13) 85°C Std. (E28 and E29)
Flammability Rating:	UL94HB

Materials

Case:	General Purpose Phenolic
Actuating Button:	Thermoplastic Nylon
Common Terminals:	Brass (E13, E19, E19A, G13, G20) Silver-Plated Brass (E14, E20, E28, E29, E30)
NO and NC Terminals:	Brass (E13, E19, E19A, G13, G20) Copper (E14, E20, E28, E29, E30)
Moving Blade:	Brass (E13, E19, E19A, G13, G20) Silver-Plated Beryllium Copper (E14, E20, E28, E29, E30)
Spring:	Stainless Steel
Auxiliary Actuators:	Cold-Rolled Steel (Nickel-Plated)
Roller:	Sintered Stainless Steel
Contacts:	Gold Crosspoint (G13, G20, E19A) Silver-Cadmium Oxide (E13, E14, E19, E20, E28) Silver Alloy (E19A, E29, E30)

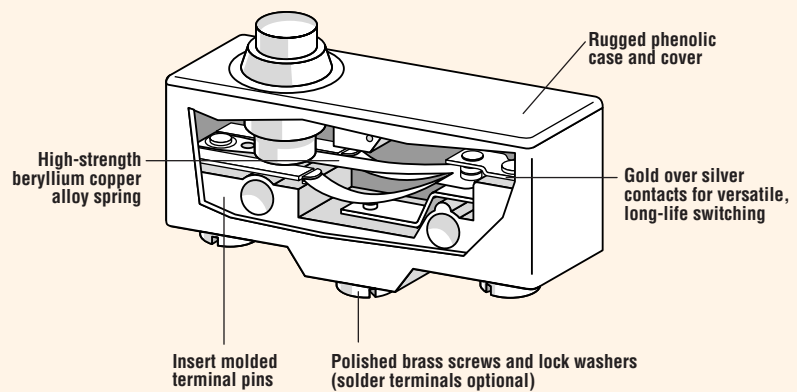


HEAVY-DUTY SNAP ACTION

GP Series

Features

- Ultra-small travel differential
- Mechanical life tested to 1 million cycles
- Current switching to 20 amps
- Wide variety of actuators
- Screw or solder terminals standard
- Low operating forces available



Electrical Ratings

Switch Series	UL1054 Rating
GP*B	20A, 1HP, 125VAC; 20A, 2HP, 250VAC; .5A, 125VDC; .25A, 250VDC
GP*C	15A, 1/8HP, 125VAC; 15A, 1/4HP, 250VAC; .5A, 125VDC; .25A, 250VDC

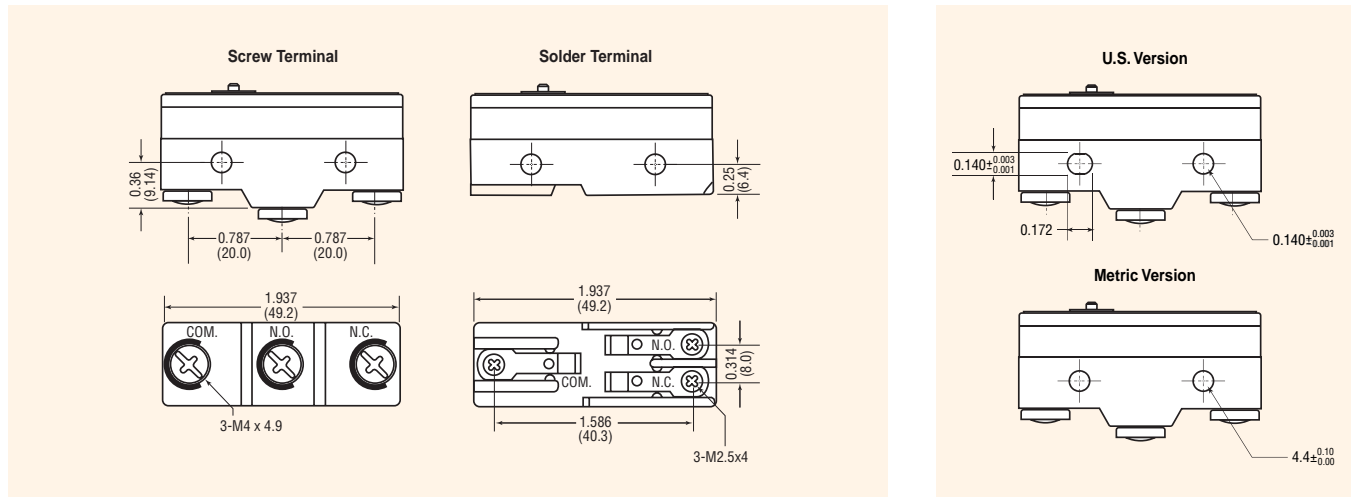
Specifications

Dielectric Strength:	1000VAC 50/60Hz for 1 minute
Insulation Resistance:	100M ohms min at 500VDC
Initial Contact Resistance:	15m ohms max
Temperature Range:	-20° to +85°C

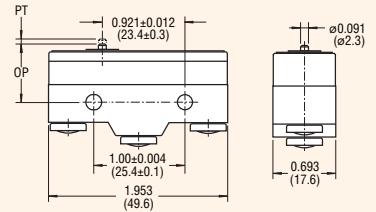
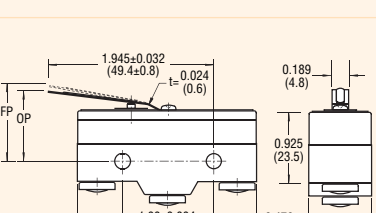
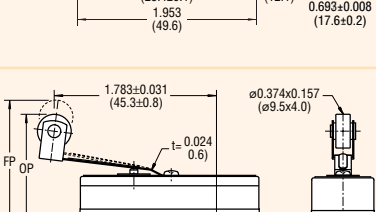
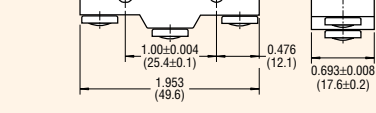
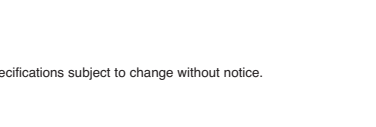
Materials

Case:	Phenolic
Cover:	Phenolic
Spring:	Beryllium Copper Alloy
Contacts:	Silver Alloy
Terminals:	Brass Screw Terminals; Copper Alloy Solder Terminals
Lever Actuator:	Stainless Steel

Terminal Types inches (mm)

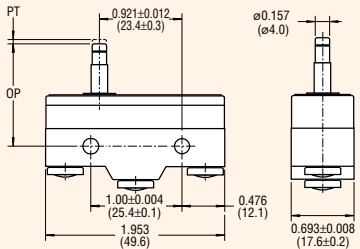
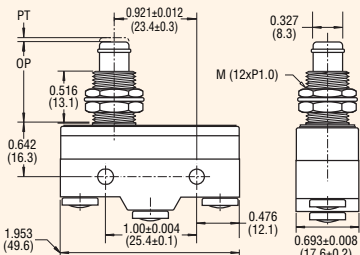
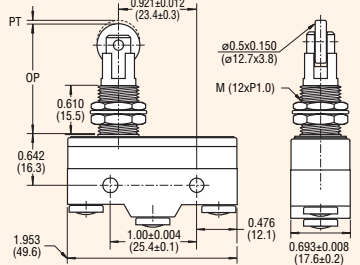
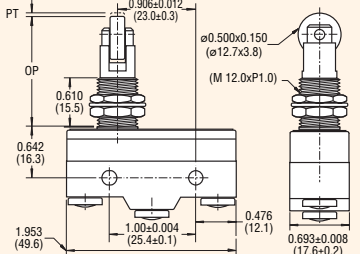


Standard Part Numbers and Descriptions

Dimensions inches (mm)	Part Number	Maximum Operating Force (oz.)	Minimum Release Force (oz.)	Maximum Pre-Travel inches (mm)	Operating Point Min./Max. inches (mm)	Minimum Over-Travel inches (mm)	Max. Movement Differential inches (mm)	Mounting Hole†	Terminal Type*
	GPTCNA11	12.3	4.0	0.016 (0.41)	0.610/0.642 (15.49/16.31)	0.005 (0.13)	0.002 (0.05)	U.S.	Screw
	GPTBNA11	22.2	7.1	0.051 (1.30)	0.625/0.657 (15.90/16.70)	0.009 (0.25)	0.008 (0.20)	U.S.	Screw
	GPTCLR11	10.5	1.7	0.157 (4.00)	0.654/0.717 (16.60/18.20)	0.062 (1.60)	0.051 (1.30)	U.S.	Screw
	GPTBLR11	9.0	0.98	0.157 (4.00)	0.654/0.717 (16.60/18.20)	0.062 (1.60)	0.067 (1.70)	U.S.	Screw
	GPTCRR11	10.6	1.8	0.157 (4.00)	1.094/1.157 (27.80/29.40)	0.062 (1.60)	0.051 (1.30)	U.S.	Screw
	GPTBRR11	9.0	0.98	0.157 (4.00)	1.094/1.157 (27.80/29.40)	0.062 (1.60)	0.067 (1.70)	U.S.	Screw

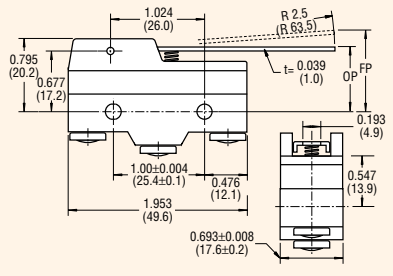
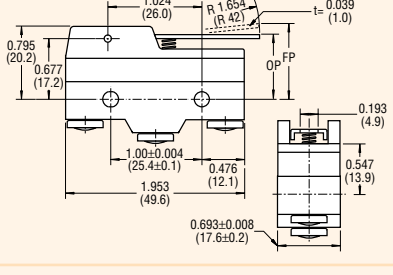
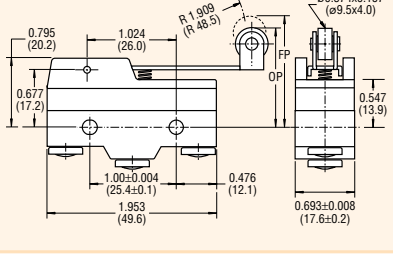
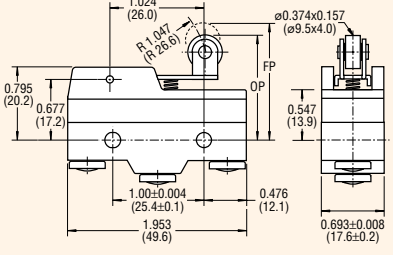
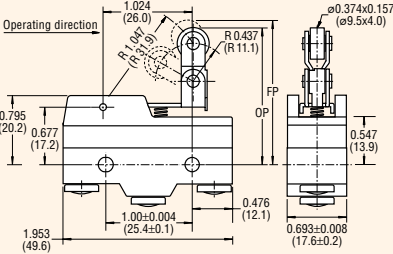
NOTE: GP Series switches are available with screw or solder terminals in U.S. or metric sizes.
 *For solder terminals, replace the "T" in the third position of the part number with an "S" (e.g., GPTCND11 becomes GPSCND11).
 †For metric mounting, replace the "1" in the seventh position with a "0" (e.g., GPTCND11 becomes GPTCND01).

Standard Part Numbers and Descriptions

Dimensions inches (mm)	Part Number	Maximum Operating Force (oz.)	Minimum Release Force (oz.)	Maximum Pre-Travel inches (mm)	Operating Point Min./Max. inches (mm)	Minimum Over-Travel inches (mm)	Max. Movement Differential inches (mm)	Mounting Hole†	Terminal Type*
	GPTCND11	12.3	4.0	0.016 (0.41)	1.09/1.13 (27.70/28.70)	0.063 (1.60)	0.002 (0.05)	U.S.	Screw
	GPTBND11	22.9	7.1	0.028 (0.70)	1.091/1.130 (27.70/28.70)	0.062 (1.60)	0.008 (0.20)	U.S.	Screw
	GPTCNC11	12.3	4.0	0.106 (0.40)	0.826/0.866 (21.00/22.00)	0.062 (1.60)	0.002 (0.05)	U.S.	Screw
	GPTBNC11	22.9	7.1	0.028 (0.70)	0.826/0.866 (21.00/22.00)	0.062 (1.60)	0.008 (0.20)	U.S.	Screw
	GPTCNH11	12.3	4.0	0.016 (0.41)	0.826/0.890 (20.98/22.60)	0.217 (5.51)	0.002 (0.05)	U.S.	Screw
	GPTBNH11	22.9	7.1	0.028 (0.70)	0.826/0.890 (21.00/22.60)	0.217 (5.50)	0.008 (0.20)	U.S.	Screw
	GPTCRH11	12.3	4.0	0.016 (0.40)	1.268/1.362 (32.20/34.60)	0.140 (3.58)	0.002 (0.05)	U.S.	Screw
	GPTBRH11	22.9	7.1	0.028 (0.70)	1.268/1.362 (32.20/34.60)	0.140 (3.56)	0.008 (0.20)	U.S.	Screw
	GPTCRH12	12.3	4.0	0.160 (0.40)	1.268/1.362 (32.20/34.60)	0.140 (3.56)	0.002 (0.05)	U.S.	Screw
	GPTBRH12	22.9	7.1	0.028 (0.70)	1.268/1.362 (32.20/34.60)	0.140 (3.56)	0.008 (0.20)	U.S.	Screw

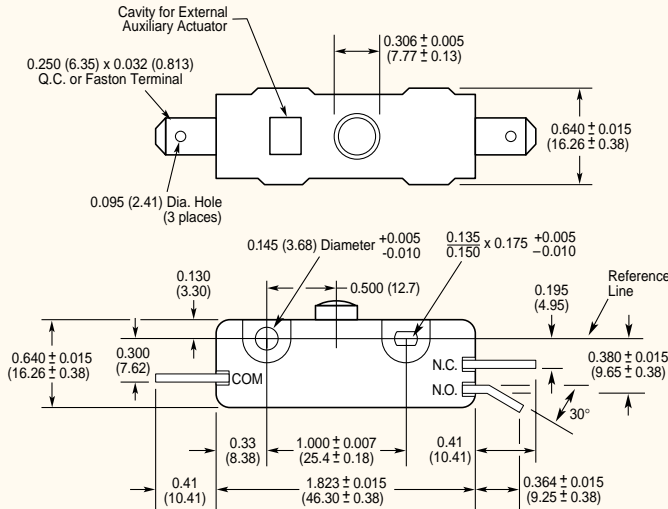
NOTE: GP Series switches are available with screw or solder terminals in U.S. or metric sizes.
 *For solder terminals, replace the "T" in the third position of the part number with an "S" (e.g., GPTCND11 becomes GPTSCND11).
 †For metric mounting, replace the "1" in the seventh position with a "0" (e.g., GPTCND11 becomes GPTCND01).

Standard Part Numbers and Descriptions

Dimensions inches (mm)	Part Number	Maximum Operating Force (oz.)	Minimum Release Force (oz.)	Maximum Pre-Travel inches (mm)	Operating Point Min./Max. inches (mm)	Minimum Over-Travel inches (mm)	Max. Movement Differential inches (mm)	Mounting Hole†	Terminal Type*
	GPTCLS11	2.4	0.50	0.394 (10.00)	0.716/0.780 (18.20/19.80)	0.220 (5.61)	0.050 (1.27)	U.S.	Screw
	GPTBLS11	2.8	0.50	0.394 (10.00)	0.716/0.780 (18.20/19.80)	0.220 (5.61)	0.007 (0.20)	U.S.	Screw
	GPTCLS12	3.1	0.70	0.315 (8.00)	0.716/0.780 (18.20/19.80)	0.125 (3.20)	0.040 (1.02)	U.S.	Screw
	GPTBLS12	4.2	1.4	0.315 (8.00)	0.716/0.780 (18.20/19.80)	0.125 (3.20)	0.040 (1.02)	U.S.	Screw
	GPTCRS11	3.5	0.80	0.280 (7.10)	1.157/1.220 (29.40/31.00)	0.158 (4.00)	0.040 (1.02)	U.S.	Screw
	GPTBRS11	4.2	0.80	0.280 (7.10)	1.157/1.220 (29.40/31.00)	0.158 (4.00)	0.040 (1.02)	U.S.	Screw
	GPTCRM11	5.6	1.4	0.106 (2.70)	1.173/1.205 (29.80/30.60)	0.094 (2.40)	0.020 (0.50)	U.S.	Screw
	GPTBRM11	6.4	1.5	0.106 (2.70)	1.173/1.205 (29.80/30.60)	0.094 (2.40)	0.020 (0.50)	U.S.	Screw
	GPTCRG11	5.6	1.4	0.106 (2.70)	1.594/1.658 (40.50/42.10)	0.094 (2.40)	0.020 (0.50)	U.S.	Screw
	GPTBRG11	6.3	1.4	0.106 (2.70)	1.594/1.658 (40.50/42.10)	0.094 (2.40)	0.020 (0.50)	U.S.	Screw

NOTE: GP Series switches are available with screw or solder terminals in U.S. or metric sizes.
 *For solder terminals, replace the "T" in the third position of the part number with an "S" (e.g., GPTCND11 becomes GPTSCND11).
 †For metric mounting, replace the "1" in the seventh position with a "0" (e.g., GPTCND11 becomes GPTCND01).

Dimensions — Single Pole inches (mm)



Actuator Specifications — Single Pole

Series/ Prefix	Actuator Type	Switch Type	Maximum Operating Force (g)	Maximum Pre-Travel inches (mm)	Operating Point* inches (mm)	Minimum Over-Travel inches (mm)	Max. Movement Differential inches (mm)	Actuation Length** inches (mm)
E13/G13	-00E		425	0.050 (1.27)	0.285±0.020 (7.24±0.51)	0.100 (2.54)	0.015 (0.38)	—
E14/E29/E30	-00A		850	0.100 (2.54)	0.248±0.026 (6.30±0.66)	0.050 (1.27)	0.015 (0.38)	—
E13/G13	-00J		425	0.050 (1.27)	0.670±0.030 (17.02±0.76)	0.108 (2.74)	0.015 (0.38)	—
E14/E29/E30			850	0.100 (2.54)	0.633±0.030 (16.08±0.76)	0.050 (1.27)	0.015 (0.38)	—
E13/G13	-00M		425	0.050 (1.27)	0.812±0.030 (20.63±0.76)	0.218 (5.54)	0.015 (0.38)	—
E14/E29/E30			850	0.100 (2.54)	0.775±0.030 (19.69±0.76)	0.168 (4.27)	0.015 (0.38)	—
E13/G13	-00H		100	0.250 (6.35)	0.312±0.062 (7.93±1.57)	0.187 (4.75)	0.093 (2.36)	1.500 (38.10)
E14/E29/E30†			285	0.312 (7.93)	0.468±0.062 (11.89±1.57)	0.150 (3.81)	0.050 (1.27)	0.821 (20.85)
E13/G13	-50H		65	0.343 (8.71)	0.281±0.062 (7.14±1.57)	0.187 (4.75)	0.140 (3.56)	1.750 (44.45)
E14/E29/E30†			170	0.525 (13.34)	0.437±0.062 (11.10±1.57)	0.218 (5.54)	0.080 (2.03)	1.071 (27.20)
E13/G13	-00K		100	0.250 (6.35)	0.718±0.062 (18.24±1.57)	0.187 (4.75)	0.093 (2.36)	1.391 (35.33)
E14/E29/E30†			285	0.348 (8.84)	0.860±0.062 (21.84±1.57)	0.130 (3.30)	0.045 (1.14)	0.652 (16.56)
E13/G13	-50K		65	0.343 (8.71)	0.687±0.062 (17.45±1.57)	0.187 (4.75)	0.140 (3.56)	1.645 (41.78)
E14/E29/E30†			170	0.483 (12.27)	0.828±0.062 (21.03±1.57)	0.218 (5.54)	0.073 (1.85)	0.902 (22.91)

* Measured above reference line. Refer to dimensional drawing above. ** Actuator tolerance ±0.031 inches (0.79mm).
† E14, E29 and E30 actuators are shorter and formed up 11° at the button.

Ordering Information

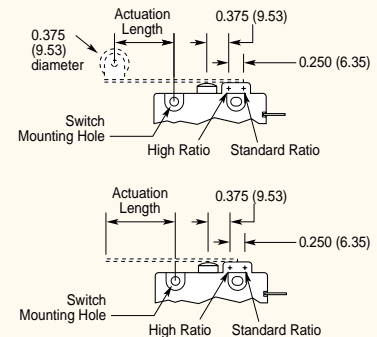
Select the current rating you need.
Combine the corresponding Series/Prefix number with the appropriate suffix number for the switch you need.

Mounting — Single Pole

Recommended mounting screw: #6-32 round head. Recommended torque on screw: 6 inch lbs. max.

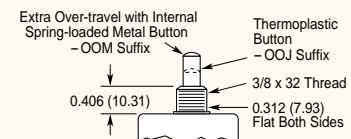
Actuators — Single Pole

Standard type integral hinged lever and roller actuators are available in choice of two mounting positions. Actuation lengths are dimensioned from centerline of switch mounting hole as shown.



“J” & “M” Type Optional Hardware — Single Pole

Brass Hex Nut	0012-0023
Brass Knurled Nut	0012-0025
Brass Hex Nut (Nickel-Pated)	0012-0028
Brass Knurled Nut (Nickel-Pated)	0012-0021
Star Washer	0012-0073



Circuitry — Single Pole

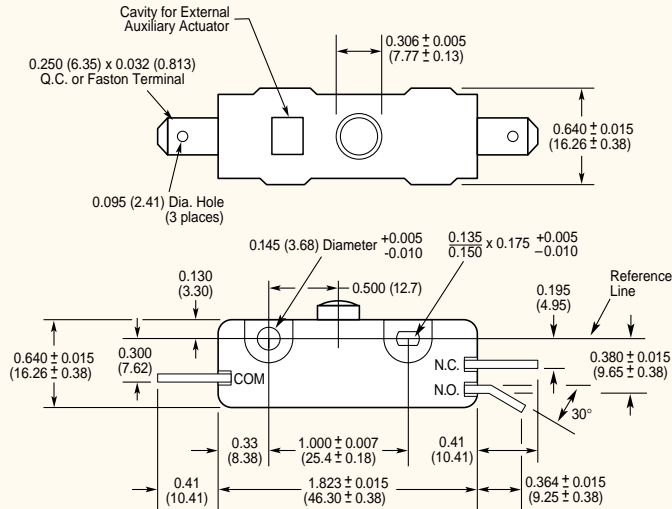
Contact arrangement available in choice of single pole double throw or single pole single throw, either normally open or normally closed. In general, normally open may be specified by changing suffix number from 00 to 01 and normally closed by changing suffix number to 02.

Example: E13-00E is double throw, E13-01E is normally open, and E13-02E is normally closed.

Terminals — Single Pole

Standard 0.250" x 0.032" (6.35mm x 0.81mm) [Optional 0.187" x 0.032" (4.75mm x 0.81mm)] QC terminals can be furnished with angle formed up or down. Forms include straight 30°, 45°, 85° up or down. Other forms can be provided. Screw terminal UL approved on E14 and E30 only.

Dimensions — Single Pole inches (mm)



Actuator Specifications — Single Pole

Series/ Prefix	Actuator Type	Switch Type	Maximum Operating Force (g)	Maximum Pre-Travel inches (mm)	Operating Point* inches (mm)	Minimum Over-Travel inches (mm)	Max. Movement Differential inches (mm)	Actuation Length** inches (mm)
E13/G13	-00E		425	0.050 (1.27)	0.285±0.020 (7.24±0.51)	0.100 (2.54)	0.015 (0.38)	—
E14/E29/E30	-00A		850	0.100 (2.54)	0.248±0.026 (6.30±0.66)	0.050 (1.27)	0.015 (0.38)	—
E13/G13	-00J		425	0.050 (1.27)	0.670±0.030 (17.02±0.76)	0.108 (2.74)	0.015 (0.38)	—
E14/E29/E30	-00J		850	0.100 (2.54)	0.633±0.030 (16.08±0.76)	0.050 (1.27)	0.015 (0.38)	—
E13/G13	-00M		425	0.050 (1.27)	0.812±0.030 (20.63±0.76)	0.218 (5.54)	0.015 (0.38)	—
E14/E29/E30	-00M		850	0.100 (2.54)	0.775±0.030 (19.69±0.76)	0.168 (4.27)	0.015 (0.38)	—
E13/G13	-00H		100	0.250 (6.35)	0.312±0.062 (7.93±1.57)	0.187 (4.75)	0.093 (2.36)	1.500 (38.10)
E14/E29/E30†	-00H		285	0.312 (7.93)	0.468±0.062 (11.89±1.57)	0.150 (3.81)	0.050 (1.27)	0.821 (20.85)
E13/G13	-50H		65	0.343 (8.71)	0.281±0.062 (7.14±1.57)	0.187 (4.75)	0.140 (3.56)	1.750 (44.45)
E14/E29/E30†	-50H		170	0.525 (13.34)	0.437±0.062 (11.10±1.57)	0.218 (5.54)	0.080 (2.03)	1.071 (27.20)
E13/G13	-00K		100	0.250 (6.35)	0.718±0.062 (18.24±1.57)	0.187 (4.75)	0.093 (2.36)	1.391 (35.33)
E14/E29/E30†	-00K		285	0.348 (8.84)	0.860±0.062 (21.84±1.57)	0.130 (3.30)	0.045 (1.14)	0.652 (16.56)
E13/G13	-50K		65	0.343 (8.71)	0.687±0.062 (17.45±1.57)	0.187 (4.75)	0.140 (3.56)	1.645 (41.78)
E14/E29/E30†	-50K		170	0.483 (12.27)	0.828±0.062 (21.03±1.57)	0.218 (5.54)	0.073 (1.85)	0.902 (22.91)

* Measured above reference line. Refer to dimensional drawing above. ** Actuator tolerance ±0.031 inches (0.79mm).
† E14, E29 and E30 actuators are shorter and formed up 11° at the button.

Ordering Information

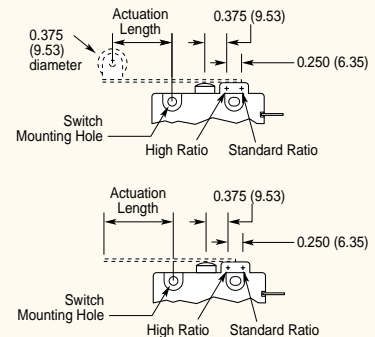
Select the current rating you need.
Combine the corresponding Series/Prefix number with the appropriate suffix number for the switch you need.

Mounting — Single Pole

Recommended mounting screw: #6-32 round head. Recommended torque on screw: 6 inch lbs. max.

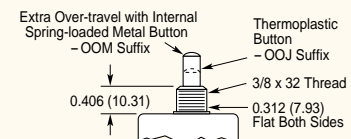
Actuators — Single Pole

Standard type integral hinged lever and roller actuators are available in choice of two mounting positions. Actuation lengths are dimensioned from centerline of switch mounting hole as shown.



“J” & “M” Type Optional Hardware — Single Pole

Brass Hex Nut	0012-0023
Brass Knurled Nut	0012-0025
Brass Hex Nut (Nickel-Pated)	0012-0028
Brass Knurled Nut (Nickel-Pated)	0012-0021
Star Washer	0012-0073



Circuitry — Single Pole

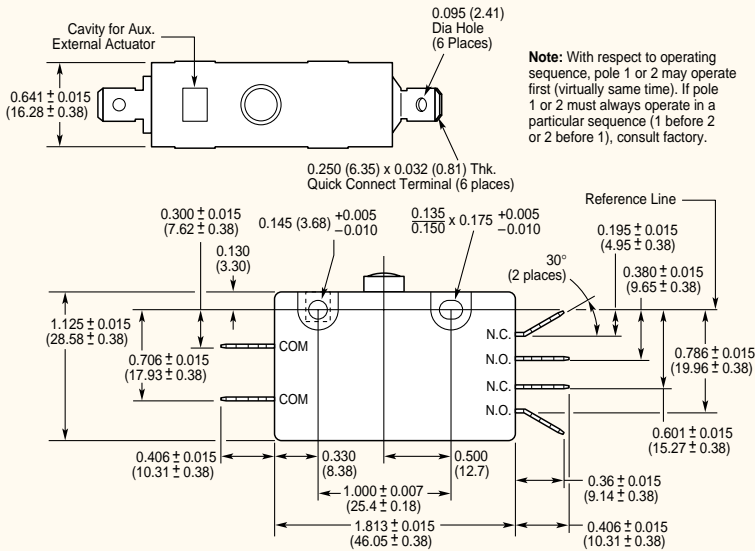
Contact arrangement available in choice of single pole double throw or single pole single throw, either normally open or normally closed. In general, normally open may be specified by changing suffix number from 00 to 01 and normally closed by changing suffix number to 02.

Example: E13-00E is double throw, E13-01E is normally open, and E13-02E is normally closed.

Terminals — Single Pole

Standard 0.250" x 0.032" (6.35mm x 0.81mm) [Optional 0.187" x 0.032" (4.75mm x 0.81mm)] QC terminals can be furnished with angle formed up or down. Forms include straight 30°, 45°, 85° up or down. Other forms can be provided. Screw terminal UL approved on E14 and E30 only.

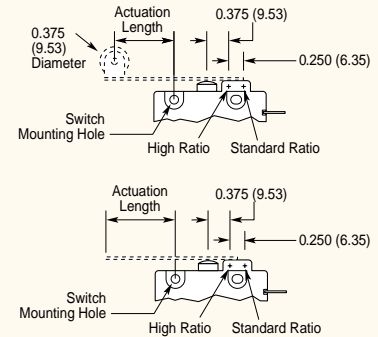
Dimensions — Double Pole inches (mm)



Note: With respect to operating sequence, pole 1 or 2 may operate first (virtually same time). If pole 1 or 2 must always operate in a particular sequence (1 before 2 or 2 before 1), consult factory.

Actuators — Double Pole

Standard type integral hinged lever and roller actuators are available in choice of two mounting positions. Actuation lengths are dimensioned from centerline of switch mounting hole as shown.



Actuator Specifications — Double Pole

Series/Prefix	Actuator Type	Switch Type	Maximum Operating Force (g)	Maximum Pretravel inches (mm)	Operating Point* inches (mm)	Minimum Overtravel inches (mm)	Max. Movement Differential inches (mm)	Actuation Length inches (mm)
E19/G20	-00A		850	0.050 (1.27)	0.285±0.030 (7.24±0.76)	0.080 (2.03)	0.015 (0.38)	—
E20/E28			1280	0.100 (2.54)	0.248±0.030 (6.30±0.76)	0.050 (1.27)	0.015 (0.38)	—
E19/G20	-00J		850	0.050 (1.27)	0.670±0.030 (17.02±0.76)	0.080 (2.03)	0.015 (0.38)	—
E20/E28†			1280	0.100 (2.54)	0.630±0.030 (16.00±0.76)	0.050 (1.27)	0.015 (0.38)	—
E19/G20	-00M		850	0.050 (1.27)	0.812±0.030 (20.62±0.76)	0.218 (5.54)	0.015 (0.38)	—
E20/E28†			1280	0.100 (2.54)	0.774±0.030 (19.66±0.76)	0.188 (4.78)	0.015 (0.38)	—
E19/G20	-00H		205	0.275 (6.99)	0.312±0.062 (7.92±1.57)	0.187 (4.75)	0.093 (2.36)	1.500 (38.10)
E20/E28†			425	0.330 (8.38)	0.468±0.062 (11.89±1.57)	0.156 (3.96)	0.050 (1.27)	0.821 (20.85)
E19/G20	-50H		130	0.400 (10.16)	0.281±0.062 (7.14±1.57)	0.187 (4.75)	0.140 (3.56)	1.750 (44.45)
E20/E28†			285	0.600 (15.24)	0.437±0.062 (11.10±1.57)	0.156 (3.96)	0.080 (2.03)	1.071 (27.20)
E19/G20	-00K		212	0.250 (6.35)	0.718±0.062 (18.24±1.57)	0.187 (4.75)	0.093 (2.36)	1.391 (35.33)
E20/E28†			425	0.348 (8.84)	0.860±0.062 (21.84±1.57)	0.156 (3.96)	0.045 (1.14)	0.652 (16.56)
E19/G20	-50K		150	0.312 (7.92)	0.687±0.062 (17.45±1.57)	0.187 (4.75)	0.140 (3.56)	1.645 (41.78)
E20/E28†			312	0.525 (13.34)	0.828±0.062 (21.03±1.57)	0.146 (3.71)	0.075 (1.91)	0.902 (22.91)

* Measured above reference line. Refer to dimensional drawing above. ** Actuator tolerance ±0.031 inches (0.79mm).
† E20 and E28 actuators are shorter and formed up 15° at the button.
Contact factory for E25 specifications.

Ordering Information

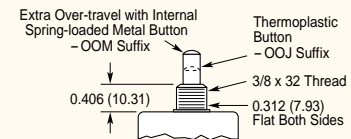
Select the current rating you need. Combine the corresponding Series/Prefix number with the appropriate suffix number for the switch you need. Note: Consult factory for part number when ordering E19A switches.

Mounting — Double Pole

Recommended mounting screw: #6-32 round head. Recommended torque on screw: 6 inch lbs. max.

“J” & “M” Type Optional Hardware — Double Pole

Brass Hex Nut	0012-0023
Brass Knurled Nut	0012-0025
Brass Hex Nut (Nickel-Plated)	0012-0028
Brass Knurled Nut (Nickel-Plated)	0012-0021
Star Washer	0012-0073



Circuitry — Double Pole

Contact arrangement available in choice of single pole double throw or single pole single throw, either normally open or normally closed. In general, normally open may be specified by changing suffix number from 00 to 01 and normally closed by changing suffix number to 02.

Example: E19-00A is double throw, E19-01A is normally open, and E19-02A is normally closed.

Terminals — Double Pole

Standard 0.250" x 0.032" (6.35mm x 0.81mm) [Optional 0.187" x 0.032" (4.75mm x 0.81mm)] QC terminals can be furnished with angle formed up or down on common as well as open or closed terminal. Forms include straight 30°, 45°, 85° up or down. Other forms can be provided.