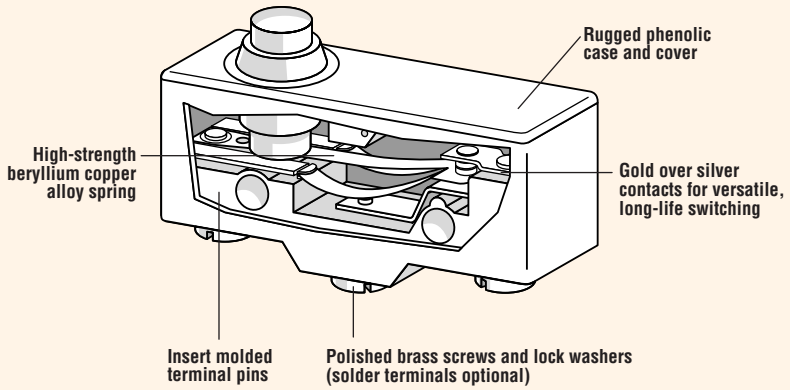
HEAVY-DUTY SNAP ACTION

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

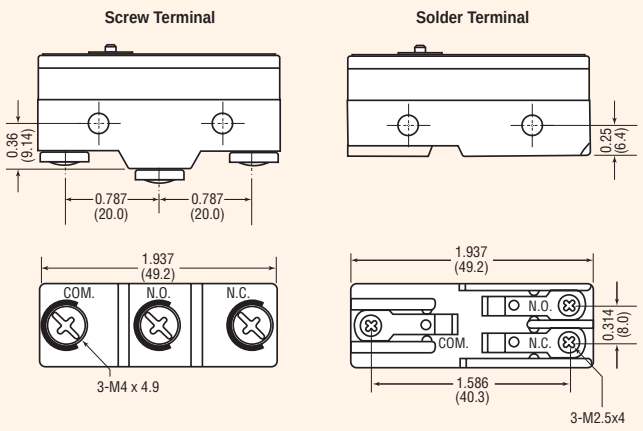
Switch Series	UL1054 Rating
GP*B	20A, 1HP, 125VAC; 20A, 2HP, 250VAC; .5A, 125VDC; .25A, 250VDC
GP*C	15A, 1/8HP, 125VAC; 15A, 1/4HP, 250VAC; .5A, 125VDC; .25A, 250VDC

Specifications

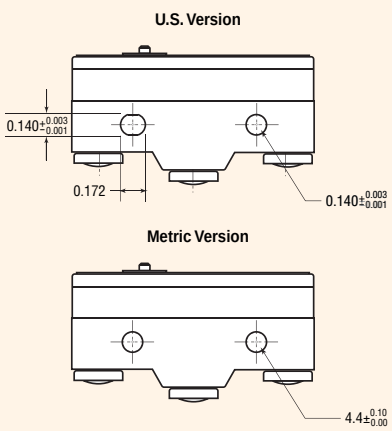
Dielectric Strength:	1000VAC 50/60Hz for 1 minute
Insulation Resistance:	100M ohms min at 500VDC
Initial Contact Resistance:	15m ohms max
Temperature Range:	-20° to +85°C
Materials	
Case:	Phenolic
Cover:	Phenolic
Spring:	Beryllium Copper Alloy
Contacts:	Silver Alloy
Terminals:	Brass Screw Terminals; Copper Alloy Solder Terminals
Lever Actuator:	Stainless Steel



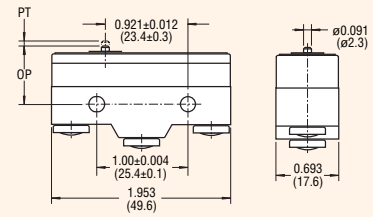
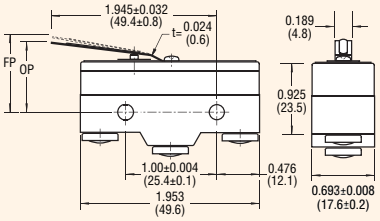
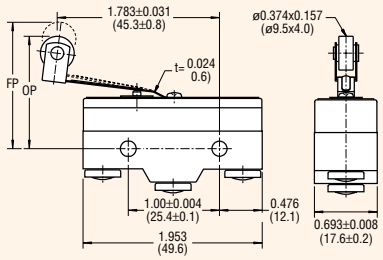
Terminal Types inches (mm)



Mounting Holes

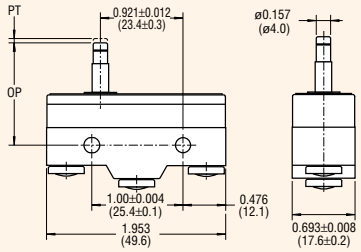
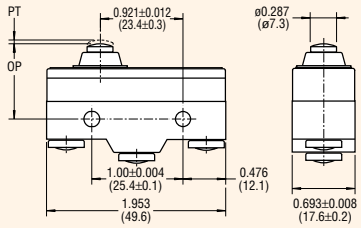
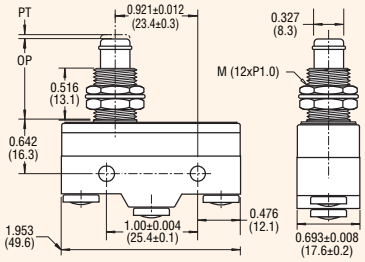
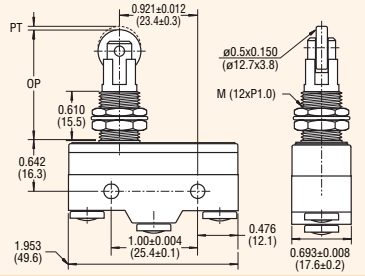
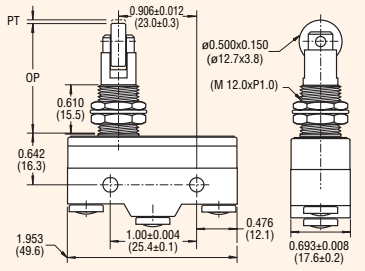


Standard Part Numbers and Descriptions

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

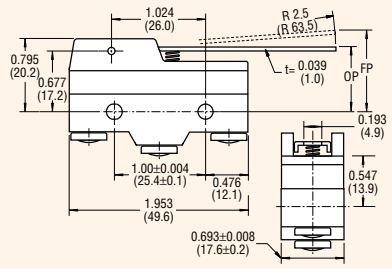
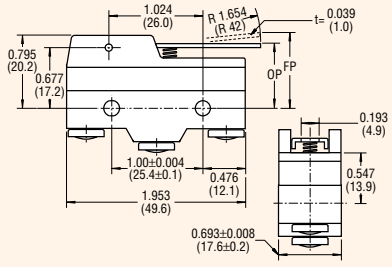
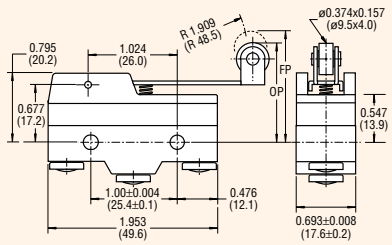
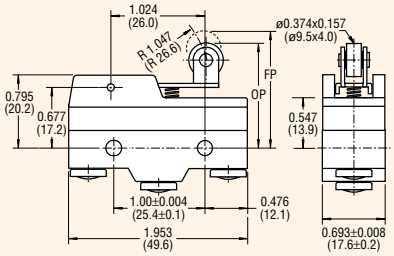
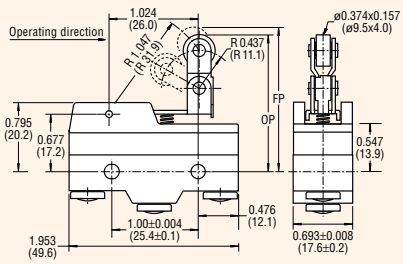
NOTE: GP Series switches are available with screw or solder terminals in U.S. or metric sizes.
*For solder terminals, replace the "T" in the third position of the part number with an "S" (e.g., GP**T**CND11 becomes GP**S**CND11).
†For metric mounting, replace the "1" in the seventh position with a "0" (e.g., GPTCND**1**1 becomes GPTCND**0**1).

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., GP**T**CND11 becomes GP**S**CND11).
†For metric mounting, replace the "1" in the seventh position with a "0" (e.g., GPTCND**1**1 becomes GPTCND**0**1).

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., GP**T**CND11 becomes GP**S**CND11).
†For metric mounting, replace the "1" in the seventh position with a "0" (e.g., GPTCND**1**1 becomes GPTCND**0**1).