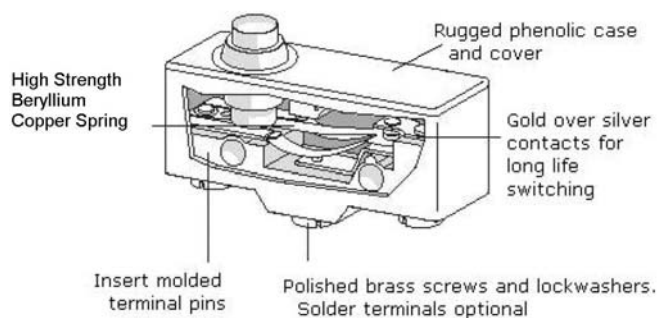


## General Purpose Snap Action Switch

# GP Series



### Features

- Ultra-small travel differential
- Mechanical life tested to over 20 million cycles
- Current rating up to 20 amps
- Wide variety of actuators
- Screw or solder terminals available
- VDE standard on 15A switches with screw terminals

| Electrical Ratings |            |                                                              |
|--------------------|------------|--------------------------------------------------------------|
| Switch Series      | UL508      | VDE Approval to EN60947                                      |
| GP*B               | 20A 250VAC | N/A                                                          |
| GP*C               | 15A 250VAC | 15A 250VAC<br>(Note: Only screw terminals have VDE approval) |

| Technical Specifications   |  |                                                                                                           | Material Specifications |                                                          |
|----------------------------|--|-----------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------|
| Temperature Rating:        |  | 0°C + 55°C Max UL<br>- 5°C to + 40°C VDE                                                                  | Case / Cover            | Phenolic                                                 |
| Dielectric Strength        |  | 1000 VAC 50/60 Hz for 1 minute                                                                            | Spring                  | Beryllium Copper                                         |
| Insulation Resistance      |  | 100M ohms min at 500 VDC                                                                                  | Contacts:               | Silver Alloy                                             |
| Initial Contact Resistance |  | 15m ohms max                                                                                              | Terminals:              | Screw Terminals: Brass<br>Solder Terminals: Copper Alloy |
| Mounting:                  |  | US Holes: #6-32 Fastener with 6.0 In-Lb Max Torque<br>Metric Holes: M4 Fastener with 6.0 In-Lb Max Torque | Contacts:               | Silver Alloy                                             |
| UL File Number:            |  | E184788                                                                                                   | Lever Actuator:         | Nickel Plated Steel                                      |

RoHS Compliant

Specifications subject to change without notice



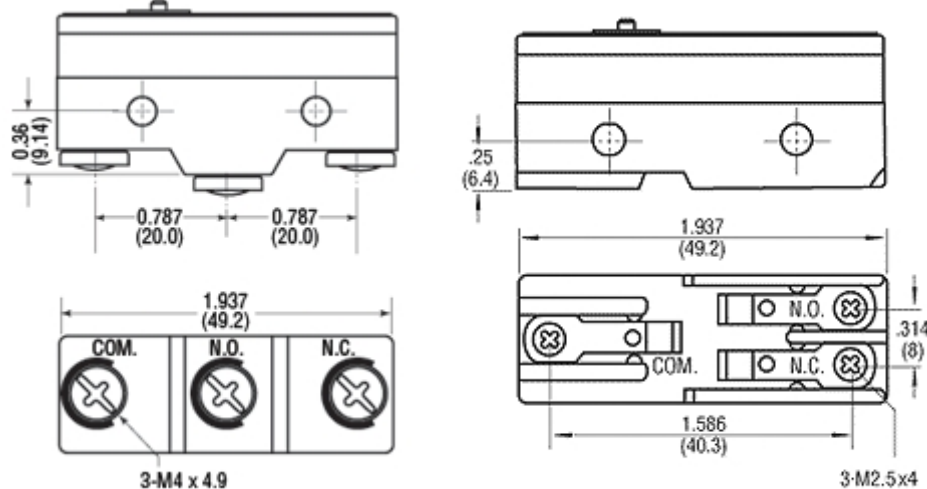
VDE for 15 amp  
with screw  
terminals only



## General Purpose Snap Action Switch

# GP Series

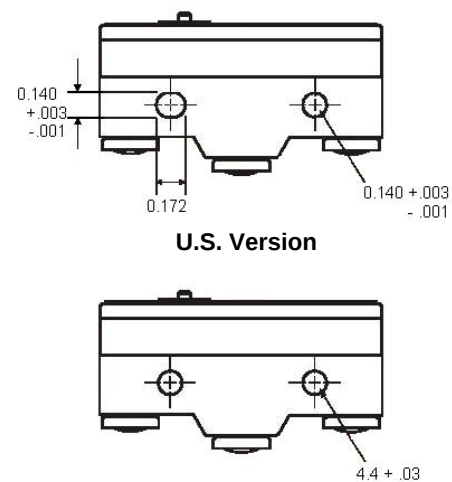
### Terminal Types



Screw Terminal

Solder Terminal

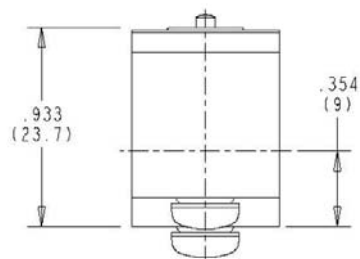
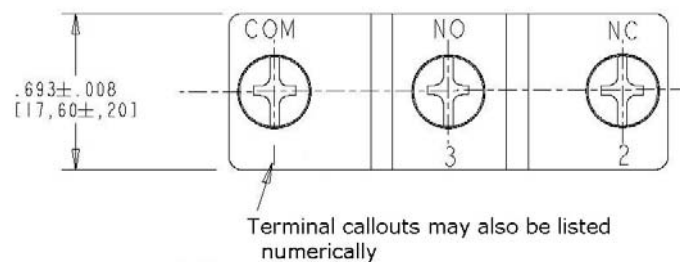
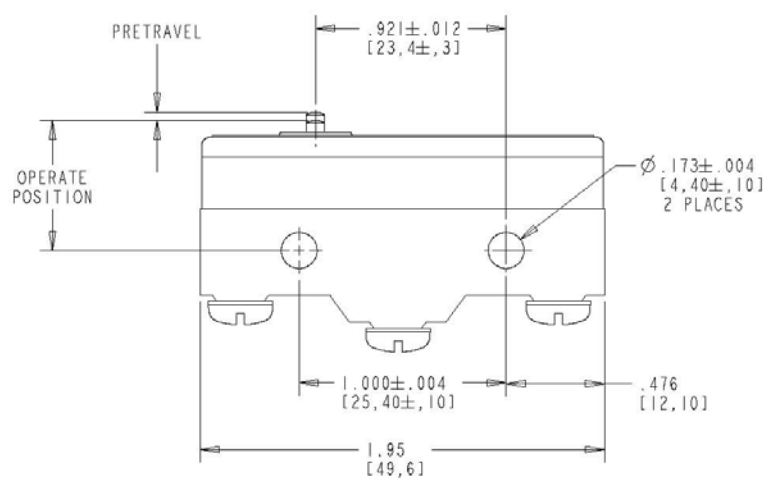
### Mounting Holes



U.S. Version

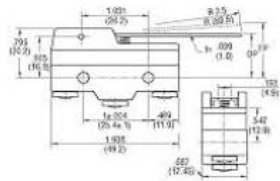
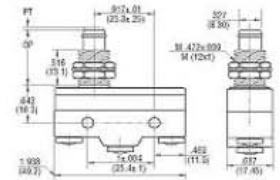
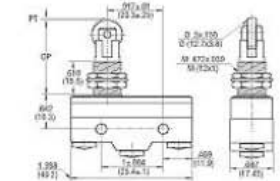
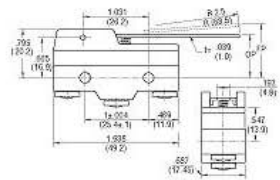
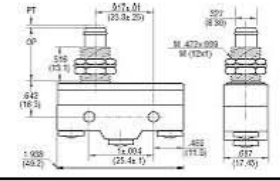
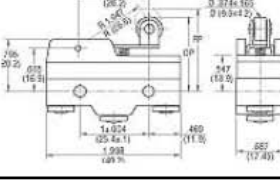
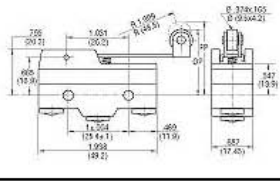
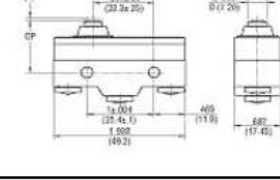
Metric Version

### Dimensions inches(mm)



Note: GP Series switches are available with screw or solder terminals and with U.S. or metric holes

- For solder terminals, replace the "T" in the third position of the part number with an "S" (e.g. GPSCNA11 was GPTCNA11)
- For metric holes, replace the "1" in the seventh position with a "0" (e.g. GPTCNA01 was GPTCNA11)

|                                                                                     | Part Number | Operating Force<br>Maximum<br>(oz) | Release Force<br>Minimum<br>(oz) | Pretravel<br>Maximum<br>inches (mm) | Operating Point<br>Min/Max<br>inches (mm) | Overtravel<br>Minimum<br>inches (mm) | Movement<br>Differential<br>Maximum<br>inches (mm) | Mounting<br>Hole | Terminal<br>Type |
|-------------------------------------------------------------------------------------|-------------|------------------------------------|----------------------------------|-------------------------------------|-------------------------------------------|--------------------------------------|----------------------------------------------------|------------------|------------------|
|    | GPTCLS11    | 2.5                                | 0.5                              | 0.394<br>(10.00)                    | 0.716 / 0.780<br>(18.20 / 19.80)          | 0.220<br>(5.61)                      | 0.050 (1.27)                                       | U.S.             | Screw            |
|                                                                                     | GPTBLS11    | 2.8                                | 0.5                              | 0.394<br>(10.00)                    | 0.716 / 0.780<br>(18.20 / 19.80)          | 0.220<br>(5.61)                      | 0.050 (1.27)                                       | U.S.             | Screw            |
|    | GPTCNH11    | 12.3                               | 4                                | 0.016 (0.41)                        | 0.826 / 0.890<br>(20.98 / 22.60)          | 0.217<br>(5.51)                      | .002 (0.05)                                        | U.S.             | Screw            |
|                                                                                     | GPTBNH11    | 22.9                               | 7.1                              | 0.028 (0.70)                        | 0.826 / 0.890<br>(21.00 / 22.60)          | 0.217<br>(5.51)                      | 0.008 (0.20)                                       | U.S.             | Screw            |
|    | GPTCRH11    | 12.3                               | 4                                | 0.016 (0.41)                        | 1.27 / 1.36<br>(32.2 / 34.6)              | 0.141<br>(3.58)                      | 0.016 (0.4)                                        | U.S.             | Screw            |
|                                                                                     | GPTBRH11    | 22.9                               | 7.1                              | 0.028 (0.70)                        | 1.268 / 1.362<br>(32.20 / 34.60)          | 0.141<br>(3.58)                      | 0.008 (0.20)                                       | U.S.             | Screw            |
|    | GPTCLS01    | 2.5                                | 0.5                              | 0.394 (10.00)                       | 0.716 / 0.780<br>(18.20 / 19.80)          | 0.220<br>(5.6)                       | 0.050<br>1.27                                      | Metric           | Screw            |
|   | GPTCNH01    | 12.3                               | 4                                | 0.016 (0.41)                        | 0.826 / 0.890<br>(20.98 / 22.60)          | 0.216 (5.5)                          | 0.002 (0.05)                                       | Metric           | Screw            |
|  | GPTCRM01    | 5.6                                | 1.5                              | 0.106 (2.70)                        | 1.17 / 1.21<br>(29.80 / 30.60)            | 0.094<br>(2.40)                      | 0.020 (0.50)                                       | Metric           | Screw            |
|                                                                                     | GPTCRM11    | 5.6                                | 1.5                              | 0.106 (2.70)                        | 1.17 / 1.21<br>(29.80 / 30.60)            | 0.094<br>(2.40)                      | 0.020 (0.50)                                       | U.S.             | Screw            |
|  | GPTCRS01    | 3.5                                | 0.8                              | 0.280 (7.10)                        | 1.16 / 1.22<br>(29.40 / 31.00)            | 0.158<br>(4.00)                      | 0.040 (1.02)                                       | Metric           | Screw            |
|                                                                                     | GPTCRS11    | 3.5                                | 0.8                              | 0.280 (7.10)                        | 1.16 / 1.22<br>(29.40 / 31.00)            | 0.158<br>(4.00)                      | 0.040 (1.02)                                       | U.S.             | Screw            |
|  | GPTCNC11    | 12.3                               | 4                                | 0.016 (0.40)                        | 0.826 / 0.866<br>(21.00 / 22.00)          | 0.063<br>(1.60)                      | 0.002 (0.05)                                       | U.S.             | Screw            |
|                                                                                     | GPTBNC11    | 23                                 | 7.1                              | 0.028 (0.7)                         | 0.826 / 0.866<br>(21.00 / 22.00)          | 0.062 (1.6)                          | 0.007 (0.18)                                       | U.S.             | Screw            |

Specifications subject to change without notice

## Contact

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Call, fax or visit our  
Website for more information.

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