

**NEW !**  
IP 67 Protection

**SPECIFICATIONS:**

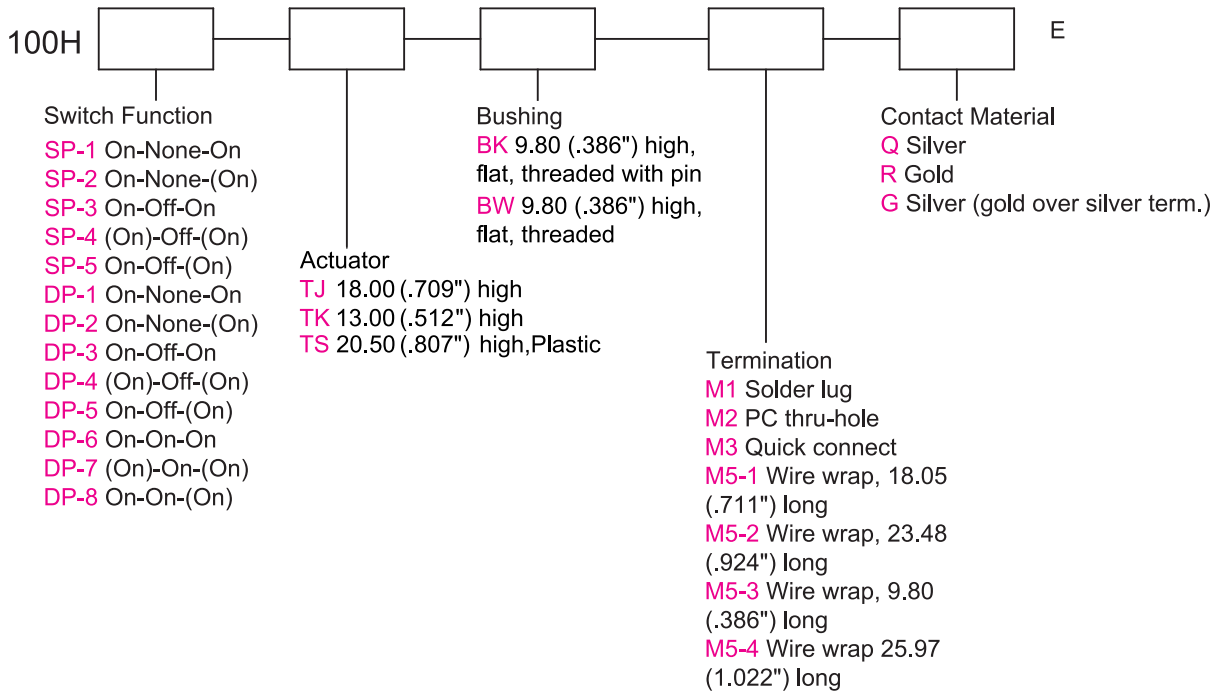
CONTACT RATING: Refer to "Contact Material Options" for more info.  
 ELECTRICAL LIFE: Min. 50,000 make-and-break cycles at full load.  
 CONTACT RESISTANCE: 10m-ohms max. initial @2-4VDC  
 100mA for both silver and gold plated contacts.  
 INSULATION RESISTANCE: 1,000M-ohms min.  
 DIELECTRIC STRENGTH: 1,500VAC for 1 minute.  
 OPERATING TEMPERATURE: -30°C to +85°C

**MATERIALS:**

CASE: Diallyl phthalate(DAP)(UL 94V-0).  
 TOGGLE HANDLE: Brass, black finish with o-ring sealed.  
 BUSHING: Brass, black finish with o-ring sealed  
 EXTERNAL SHELL: FR52 (UL 94V-0).  
 TERMINAL SEAL: Epoxy.

If your preferred product configuration is not shown, please contact our sales representative for custom design.

**HOW TO ORDER SYSTEM**



Toggle  
 Rocker  
 Slide  
 Pushbutton  
 AV  
 Rotary  
 Tact  
 Touch Key  
 Miscellaneous

# Series 100H

# High Performance Sealed Toggle Switches

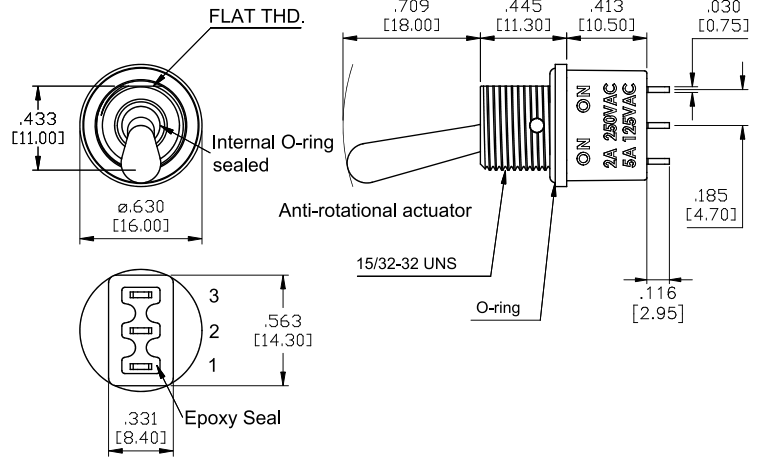
## SPDT



| Model No.   | Switching Position |      |      |
|-------------|--------------------|------|------|
|             |                    |      |      |
| SP-1        | ON                 | NONE | ON   |
| SP-2        | ON                 | NONE | (ON) |
| SP-3        | ON                 | OFF  | ON   |
| SP-4        | (ON)               | OFF  | (ON) |
| SP-5        | ON                 | OFF  | (ON) |
| Term. Comm. | 2-3                | OPEN | 2-1  |

Schematic

2Comm.



## DPDT

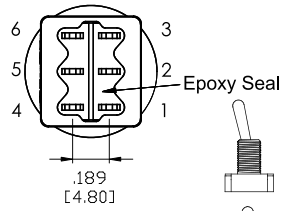
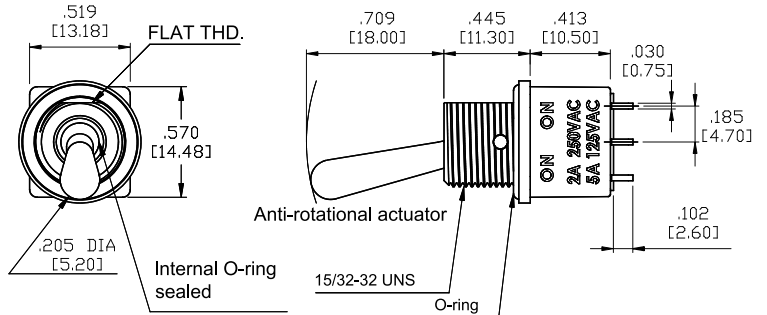


| Model No.   | Switching Position |      |         |
|-------------|--------------------|------|---------|
|             |                    |      |         |
| DP-1        | ON                 | NONE | ON      |
| DP-2        | ON                 | NONE | (ON)    |
| DP-3        | ON                 | OFF  | ON      |
| DP-4        | (ON)               | OFF  | (ON)    |
| DP-5        | ON                 | OFF  | (ON)    |
| Term. Comm. | 2-3,5-6            | OPEN | 2-1,5-4 |

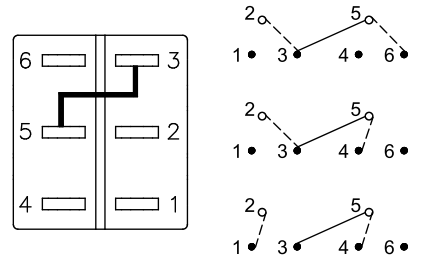
Schematic

2Comm.

5Comm.

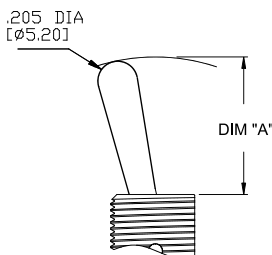


### WIRING FOR ON-ON-ON (3-WAY) FUNCTION



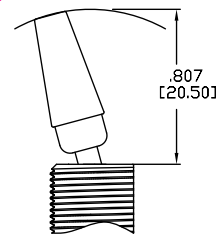
## ACTUATOR OPTIONS

### TJ&TK



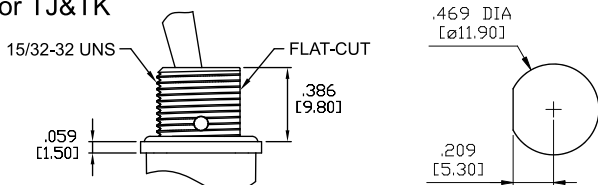
| OPTION CODE | DIM. "A"     |
|-------------|--------------|
| TJ          | .709 [18.00] |
| TK          | .512 [13.00] |

### TS

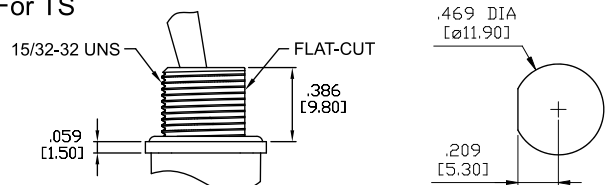


## BUSHING OPTION & MOUNTING

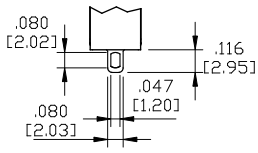
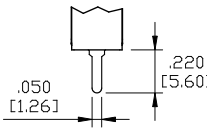
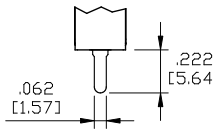
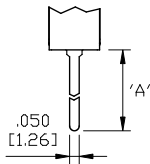
### BK For TJ&TK

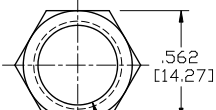
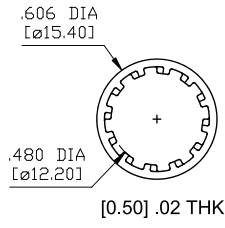


### BW For TS





TERMINATION OPTIONS

| <p><b>M1 STD. SOLDER LUG</b></p>  <p>THK .030 [0.75]</p> | <p><b>M2 PC THRU-HOLE</b></p>  <p>THK .030 [0.75]</p> | <p><b>M3 QUICK CONNECT</b></p>  <p>THK .030 [0.75]</p> | <p><b>M5 WIRE WRAP</b></p>  <table border="1" data-bbox="1296 334 1544 560"> <thead> <tr> <th>OPTION CODE</th> <th>DIM.'A'</th> </tr> </thead> <tbody> <tr> <td>M5-1</td> <td>.711 [18.05]</td> </tr> <tr> <td>M5-2</td> <td>.924 [23.48]</td> </tr> <tr> <td>M5-3</td> <td>.386 [9.80]</td> </tr> <tr> <td>M5-4</td> <td>1.022 [25.97]</td> </tr> </tbody> </table> <p>THK .030 [0.75]</p> | OPTION CODE | DIM.'A' | M5-1 | .711 [18.05] | M5-2 | .924 [23.48] | M5-3 | .386 [9.80] | M5-4 | 1.022 [25.97] |
|---|--|--|--|-------------|---------|------|--------------|------|--------------|------|-------------|------|---------------|
| OPTION CODE   | DIM.'A'  |  |  |             |         |      |              |      |              |      |             |      |               |
| M5-1  | .711 [18.05]   |  |  |             |         |      |              |      |              |      |             |      |               |
| M5-2  | .924 [23.48]   |  |  |             |         |      |              |      |              |      |             |      |               |
| M5-3  | .386 [9.80]  |  |  |             |         |      |              |      |              |      |             |      |               |
| M5-4  | 1.022 [25.97]  |  |  |             |         |      |              |      |              |      |             |      |               |

|  |   |
|--|---|
| <p><b>NUT</b></p>  <p>15/32-32UNS</p> | <p><b>LOCK WASHER</b></p>  <p>[0.50] .02 THK</p> |
|--|---|

CONTACT MATERIAL OPTIONS

| Coding | Contact Material    | Terminal Plating                        | Rating                                    | Agency Approvals   |
|--------|---------------------|---|---|--|
| Q      | Silver <sup>1</sup> | Silver plated <sup>1</sup>              | 5Amps @ 125VAC or 28VDC<br>2Amps @ 250VAC |  IP67 |
| P      |                     | Tin plated <sup>5</sup><br><sup>7</sup> |   |  |
| R      | Gold <sup>2</sup>   | Gold plated <sup>4</sup>                | 0.4VA max @ 20V max<br>(AC or DC)         | IP67   |
| K      |                     | Tin plated <sup>5</sup><br><sup>6</sup> |   | IP67   |
| G      | Silver <sup>1</sup> | Gold over silver <sup>3</sup>           | 5Amps @ 125VAC or 28VDC<br>2Amps @ 250VAC |  IP67 |

1. Movable Contact / Terminals: Copper alloy, silver plated.
2. Movable Contact: Copper alloy with gold plated over nickel plated.
3. Terminals: Silver plated with outer layer in gold plating.
4. Terminals: Copper alloy, with gold plated over nickel plated.
5. Outer Terminals: Copper alloy with pure tin plated.
6. Terminal Contact: Gold plated over nickel plated.
7. Terminal Contact: Palladium nickel alloy (or Silver) plated.

\* P, K not available with M1 and M3 terminals

\* 6Amps (Movable Contact: coin silver, silver plated) available to model ON-NONE-ON without UL approval

Toggle  
Rocker  
Slide  
Pushbutton  
AV  
Rotary  
Tact  
Touch Key  
Miscellaneous