# General Specifications

## Electrical Capacity (Resistive Load)

**Power Level (silver):** 6A @ 125V AC & 3A @ 250V AC
4A @ 30V DC for On-None-On & On-None-Off; 3A @ 30V DC for all other circuits
**Logic Level (gold):** 0.4VA maximum @ 28V AC/DC maximum (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)
**Logic/Power Level (gold over silver):** Combines silver & gold ratings
Note: Find additional explanation of dual rating & operating range in Supplement section.

## Other Ratings

**Contact Resistance:** 10 milliohms maximum for silver; 20 milliohms maximum for gold
**Insulation Resistance:** 1,000 megohms minimum @ 500V DC
**Dielectric Strength:** 1,000V AC minimum between contacts for 1 minute minimum;
1,500V AC minimum between contacts and case for 1 minute minimum
**Mechanical Life:** 100,000 operations minimum; 50,000 operations minimum for flat, locking & splashproof devices
**Electrical Life:** 25,000 operations minimum for silver; 50,000 operations minimum for gold;
50,000 operations minimum for silver at 3A @ 125V AC
**Angle of Throw:** 25°

## Materials & Finishes

**Toggle:** Brass with chrome plating
**Bushing:** Brass with nickel plating
**Case:** Diallyl phthalate resin (UL94V–0)
**Movable Contactor:** Phosphor bronze with silver or gold plating
**Movable Contacts:** Silver alloy (code W); copper with gold plating (code G); or silver alloy with gold plating (code A)
**Stationary Contacts:** Silver with silver plating (code W); copper or brass with gold plating (code G);
or silver with gold plating (code A)
**Terminals:** Copper or brass with silver plating; or copper or brass with gold plating
**Frame:** Stainless steel
**Support Bracket:** Brass with tin plating

## Environmental Data

**Operating Temp Range:** –30°C through +85°C (–22°F through +185°F)
**Humidity:** 90 ~ 95% humidity for 96 hours @ 40°C (104°F)
**Vibration:** 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning in 1 minute; 3 right angled directions for 2 hours
**Shock:** 50G (490m/s$^2$) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)
**Sealing:** Splashproof bushing options B3, D3, D8, L3, & L8, which have o-rings inside & outside the bushing, meet IP67 of IEC60529 Standards.

## Installation

**Mounting Torque:** 3.0Nm (26.55 lb•in) double nut for large bushing;
1.5Nm (13 lb•in) double nut & 0.7Nm (6 lb•in) single nut for all other bushings

## Processing

**Soldering:** Wave Soldering (PC version) for Gold: See Profile A in Supplement section.
Manual Soldering for Gold: See Profile A in Supplement section.
Wave Soldering (PC version) for Silver: See Profile B in Supplement section.
Manual Soldering for Silver: See Profile B in Supplement section.
Note: Lever must be in OFF (center) position while soldering.
**Cleaning:** These devices are not process sealed. Hand clean locally using alcohol based solution.

## Standards & Certifications

**Flammability Standards:** UL94V–0 for case
**UL:** **File No. E44145 - Recognized only when ordered with marking on switch.**
Add "/U" or "/CUL" before dash in part number to order UL recognized switch.
All models recognized at 6A @ 125V AC, 3A @ 250V AC or 0.4VA maximum @ 28V DC maximum.
**CSA:** **File No. 023535_0_000 - Certified only when ordered with marking on switch.**
Add "/C" before dash in part number to order CSA certified switch.
All models certified at 6A @ 125V AC or 3A @ 250V AC or 0.4VA maximum @ 28V maximum.

# Distinctive Characteristics

Antirotation design, standard on noncylindrical levers, mates toggle and bushing; bottom of toggle has two flatted sides which fit into a complementary opening inside bushing.

Antijamming design protects contacts from damage due to excessive downward force on actuator.

High torque bushing construction prevents rotation or separation from frame during installation.

High insulating barriers increase isolation of circuits in multipole devices and provide added protection to contact points.

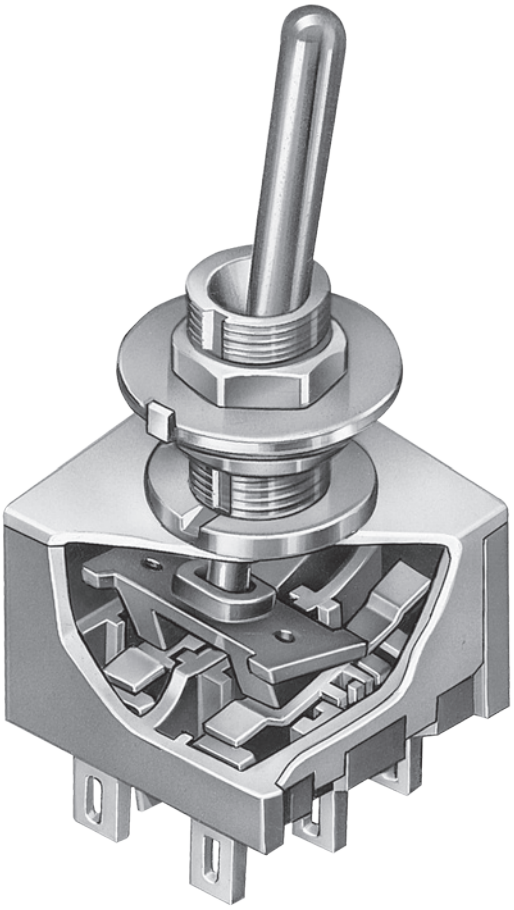
Molded diallyl phthalate case has a UL flammability rating of 94V-0.

Epoxy sealed terminals prevent entry of solder flux and other contaminants.

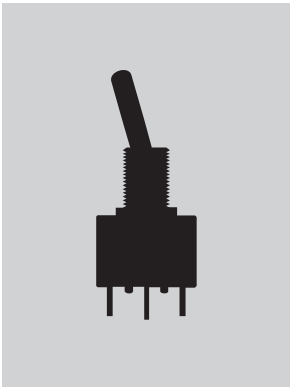
Prominent external insulating barriers increase insulation resistance and dielectric strength.

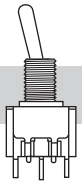
Interlocked actuator block, lever, and interior guide prevent switch failure due to biased lever movement.

Clinching of frame to case well above base and terminals provides 1,500V dielectric strength.

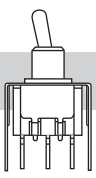


Actual Size

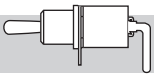




Bushing Mount Page A48



Bracket PC Mount Page A60



Angle PC Mount Page A66

## TYPICAL SWITCH

M20 | 1 | 3 | S | S1

### Poles

| | |
|---|---|
| 1 | SPST<br>SPDT |
| 2 | DPST<br>DPDT<br>SP3T |
| 3 | 3PDT |
| 4 | 4PDT<br>DP3T |

### Circuits

| | | | |
|---|---|---|---|
| *1 | ON | NONE | OFF |
| 2 | ON | NONE | ON |
| 3 | ON | OFF | ON |
| 5 | ON | NONE | (ON) |
| 8 | (ON) | OFF | (ON) |
| 9 | ON | OFF | (ON) |
| **4 | ON | ON | ON |
| **6 | (ON) | ON | (ON) |
| **7 | ON | ON | (ON) |

( ) = Momentary

* ON-NONE-OFF circuit available in 1- and 2-pole only.

** 3-ON circuits

### Small Toggles

| | |
|---|---|
| S | .413" (10.5mm) Bat |
| S2 | .200" (5.08mm) Bat |
| S3 | .256" (6.5mm) Bat |
| E | .450" (11.4mm) Flatted |
| * E2 | .256" (6.5mm) Flatted |
| E4 | .840" (21.3mm) Flatted |
| * Q | .550" (14.0mm) Cone |
| * Q2 | .640" (16.26mm) Cone |
| * Q4 | .840" (21.3mm) Cone |
| * C | .571" (14.5mm) Color Tipped Cone |
| D | .840" (21.3mm) Color Capped Cone |

Specify cap color for toggles C & D at the end of the part number.
* Available on 1- and 2-pole only.

### Large Toggles

| | |
|---|---|
| B | .453" (11.5mm) Large Bat |
| B2 | .689" (17.5mm) Large Bat |
| R | .610" (15.5mm) Large Flatted |

### Locking Lever

| | |
|---|---|
| L | .201" (5.1mm) Dia. Locking Lever |

### Small Bushings

| | |
|---|---|
| S1 | .350" (8.9mm) Threaded with Keyway |
| S4 | 6mm .350" (8.9mm) Threaded with Keyway |
| S2 | .350" (8.9mm) Smooth with Keyway |
| A1 | .280" (7.1mm) Threaded with Keyway |
| A2 | .280" (7.1mm) Smooth with Keyway |
| D1 | .350" (8.9mm) Threaded with D Flat |
| D4 | 6mm .350" (8.9mm) Threaded with D Flat |
| D3 | .350" (8.9mm) Threaded Splashproof with D Flat (combines only with S, S2 & S3) |
| D8 | 6mm .350" (8.9mm) Threaded Splash-proof with D Flat (combines only with S, S2 & S3) |

### Large Bushings

| | |
|---|---|
| B1 | Large .472" (12mm) Threaded with Keyway |
| B3 | Large .472" (12mm) Threaded Splashproof with D Flat |

### Bushings For Locking Levers

| | |
|---|---|
| L1 | .291" (7.4mm) Threaded with Keyway for Lever Lock |
| L4 | 6mm .291" (7.4mm) Threaded with Keyway for Lever Lock |
| L2 | Smooth with Keyway for Lever Lock |
| L3 | .295" (7.5mm) Threaded Splashproof with D Flat for Lever Lock |
| L8 | 6mm .295" (7.5mm) Threaded Splash-proof with D Flat for Lever Lock |

### IMPORTANT:

Switches are supplied without UL, cULus & CSA marking unless specified. **UL, cULus & CSA recognized only when ordered with marking on the switch.** Specific models, ratings, & ordering instructions are noted on General Specifications page.

## ORDERING EXAMPLE

W 01 — □ □

### Contact Materials & Ratings

| | |
|---|---|
| **W** | Silver; Rated<br>6A @ 125V AC & 3A @ 250V AC |
| **G** | Gold; Rated<br>0.4VA max @ 28V AC/DC max |
| **A** | Gold over Silver; Rated<br>6A @ 125V AC & 0.4VA max @<br>28V AC/DC max |

### Terminals

| | |
|---|---|
| **01** | Solder Lug* |
| **02** | Quick Connect |
| **03** | .250" (6.35mm) Straight PC |
| **05** | .425" (10.8mm) Wirewrap |
| **06** | .750" (19.05mm) Wirewrap |
| **07** | .964" (24.5mm) Wirewrap |
| **08** | 1.062" (27.0mm) Wirewrap |

* Wire harness & cable assemblies offered only in Americas

### Optional Caps

| | |
|---|---|
| **For Small Bat Toggles** | |
| **B** | For S Bat Toggle |
| **C** | Conical Cap for S Bat Toggle |
| **For Large Bat Toggles** | |
| **R** | For B Toggle |
| **V** | For B2 Toggle |

### Cap for Locking Lever

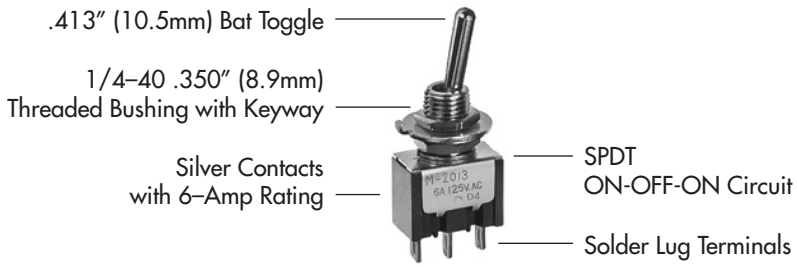
| | |
|---|---|
| **No Code** | Nickel Plated Supplied with Switch |
| **A** | Black |
| **C** | Red |
| **G** | Blue |

### Cap Colors

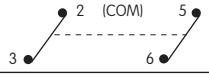
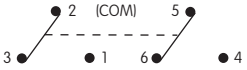
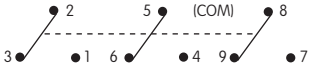
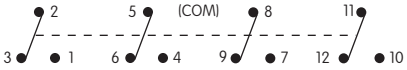
| | |
|---|---|
| **A** | Black |
| **B** | White |
| **C** | Red |
| **E** | Yellow |
| **F** | Green |
| **G** | Blue |
| **H** | Gray (for K1 & K2 paddles) |

### DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

**M2013SS1W01**

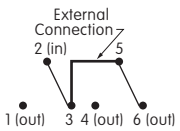
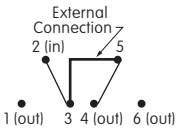
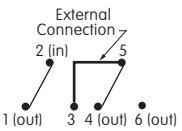
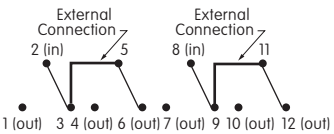
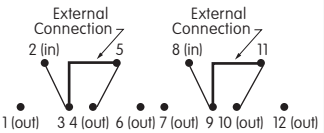
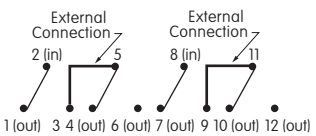


## POLES & CIRCUITS

| Pole | Model | Toggle Position ( ) = Momentary: Down (Keyway) | Center | Up | Connected Terminals: Down (Keyway) | Center | Up | Throw & Schematics |
|---|---|---|---|---|---|---|---|---|
| SP | **M2011** | ON | NONE | OFF | 2-3 | OPEN | OPEN | SPST  |
| SP | **M2012**<br>**M2013**<br>**M2015**<br>**M2018**<br>**M2019** | ON<br>ON<br>ON<br>(ON)<br>ON | NONE<br>OFF<br>NONE<br>OFF<br>OFF | ON<br>ON<br>(ON)<br>(ON)<br>(ON) | 2-3 | OPEN | 2-1 | SPDT  |
| DP | **M2021** | ON | NONE | OFF | 2-3 5-6 | OPEN | OPEN | DPST  |
| DP | **M2022**<br>**M2023**<br>**M2025**<br>**M2028**<br>**M2029** | ON<br>ON<br>ON<br>(ON)<br>ON | NONE<br>OFF<br>NONE<br>OFF<br>OFF | ON<br>ON<br>(ON)<br>(ON)<br>(ON) | 2-3 5-6 | OPEN | 2-1 5-4 | DPDT  |
| 3P | **M2032**<br>**M2033**<br>**M2035**<br>**M2038**<br>**M2039** | ON<br>ON<br>ON<br>(ON)<br>ON | NONE<br>OFF<br>NONE<br>OFF<br>OFF | ON<br>ON<br>(ON)<br>(ON)<br>(ON) | 2-3 5-6<br>8-9 | OPEN | 2-1 5-4<br>8-7 | 3PDT  |
| 4P | **M2042**<br>**M2043**<br>**M2045**<br>**M2048**<br>**M2049** | ON<br>ON<br>ON<br>(ON)<br>ON | NONE<br>OFF<br>NONE<br>OFF<br>OFF | ON<br>ON<br>(ON)<br>(ON)<br>(ON) | 2-3 5-6<br>8-9 11-12 | OPEN | 2-1 5-4<br>8-7 11-10 | 4PDT  |

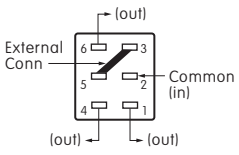
### For 3 Throw (3-On)

#### Connected Terminals & Schematic

| Pole | Model | Down | Center | Up | Down | Center | Up |
|---|---|---|---|---|---|---|---|
| SP | **M2024**<br>**M2026**<br>**M2027** | ON<br>(ON)<br>ON | ON<br>ON<br>ON | ON<br>(ON)<br>(ON) | <br>2-3 5-6 | <br>2-3 5-4 | <br>2-1 5-4 |
| DP | **M2044**<br>**M2046**<br>**M2047** | ON<br>(ON)<br>ON | ON<br>ON<br>ON | ON<br>(ON)<br>(ON) | <br>2-3 5-6<br>8-9 11-12 | <br>2-3 5-4<br>8-9 11-10 | <br>2-1 5-4<br>8-7 11-10 |

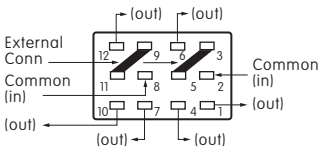
**The SP3T model utilizes a double pole base.**

External connection must be made during field installation.




**The DP3T model utilizes a four pole base.**

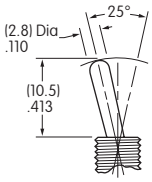
External connection must be made during field installation.



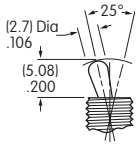
## SMALL TOGGLES

**Important:**
Toggle length changes based on bushing selected. All illustrations are shown with .350" long bushing. When using a .280" long bushing, toggle length increases .070".

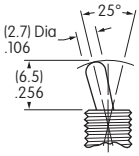
### S .413" (10.5mm) Bat




### S2 .200" (5.08mm) Bat

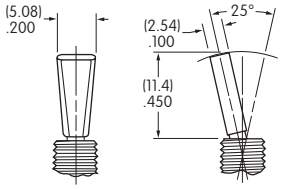



### S3 .256" (6.5mm) Bat

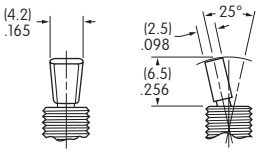



**Standard Material & Finish:** Brass with Bright Chrome
Contact factory for optional finishes.

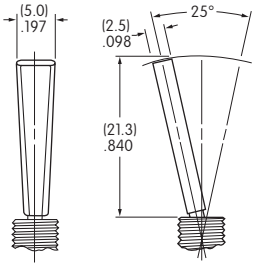
### E .450" (11.4mm) Flatted




### E2 .256" (6.5mm) Flatted



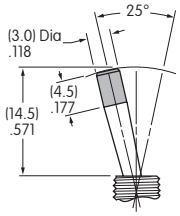

### E4 .840" (21.3mm) Flatted




Only Available in 1- & 2-Pole

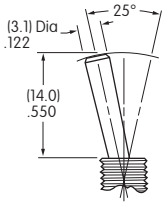
### C .571" (14.5mm) Color Tipped Cone Supplied with Cap AT445

Material: Polycarbonate

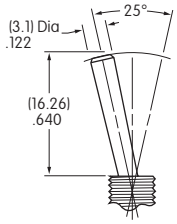



Only Available in 1- & 2-Pole

### Q .550" (14.0mm) Cone

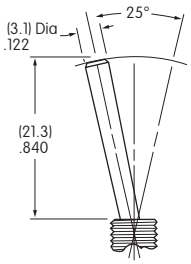



### Q2 .640" (16.26mm) Cone




Only Available in 1- & 2-Pole

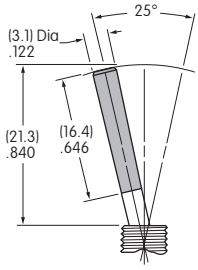
### Q4 .840" (21.3mm) Cone




Only Available in 1- & 2-Pole

### D .840" (21.3mm) Color Capped Cone Supplied with Cap AT460

Material: Polyethylene

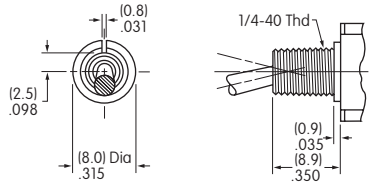



Only Available in 1- & 2-Pole

**Cap Colors Available:**
A Black
B White
C Red
E Yellow
F Green
G Blue
H Gray (For K1 & K2 only)

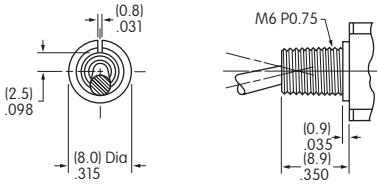
## SMALL BUSHINGS

### S1 1/4-40 .350" (8.9mm) Threaded with Keyway



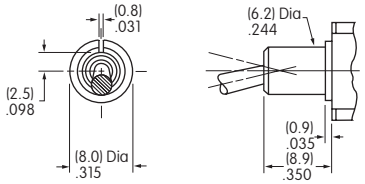

Maximum Panel Thickness with Standard Hardware: .102" (2.6mm)

### S4 6mm/.350" (8.9mm) Threaded with Keyway

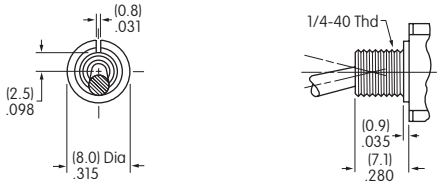



Maximum Panel Thickness with Standard Hardware: .102" (2.6mm)

### S2 .350" (8.9mm) Smooth with Keyway

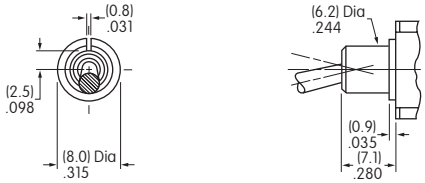



### A1 1/4-40 .280" (7.1mm) Threaded with Keyway



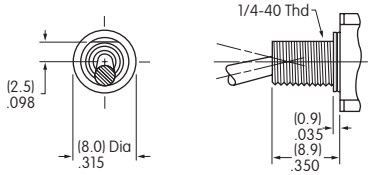

When using this bushing, toggle length is increased by .070". Maximum Panel Thickness with Standard Hardware: .031" (0.8mm)

### A2 .280" (7.1mm) Smooth with Keyway



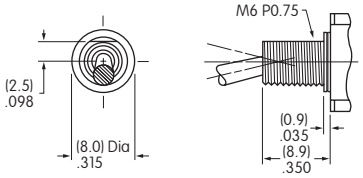

When using this bushing, toggle length is increased by .070".

### D1 1/4-40 .350" (8.9mm) Threaded with D Flat



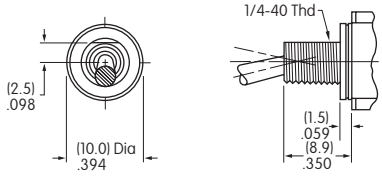

Maximum Panel Thickness with Standard Hardware: .102" (2.6mm)

### D4 6mm/.350" (8.9mm) Threaded with D Flat



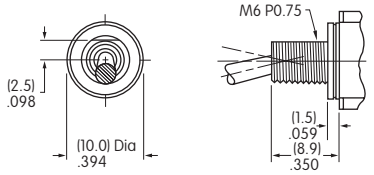

Maximum Panel Thickness with Standard Hardware: .102" (2.6mm)

### D3 1/4-40 .350" (8.9mm) Threaded Splashproof with D Flat




D3 combines only with S, S2 & S3 toggles. Maximum Panel Thickness with Standard Hardware: .193" (4.9mm)

### D8 6mm/.350" (8.9mm) Threaded Splashproof with D Flat

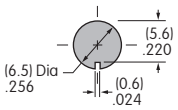



D8 combines only with S, S2 & S3 toggles. Maximum Panel Thickness with Standard Hardware: .193" (4.9mm)

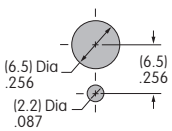
### Standard Hardware Supplied for Small Bushings

| | Bushing Codes | S1/S4 | A1 | D1/D4 | D3/D8 | L1/L4 | L3/L8 |
|---|---|---|---|---|---|---|---|
| Hardware and Quantity | Hex Nut | 2 | 2 | 2 | 1 | 2 | 1 |
| | Locking Ring | 1 | 1 | 0 | 0 | 1 | 0 |
| | Lockwasher | 1 | 1 | 1 | 0 | 1 | 0 |
| | O-ring | 0 | 0 | 0 | 1 | 0 | 1 |

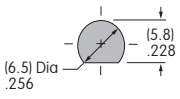
**For S1, S2, A1, A2 or S4 Bushing with Keyway & for L1 or L4 Bushing**




**For S1, A1 or S4 Bushing with Locking Ring & for L1 or L4 Bushing**



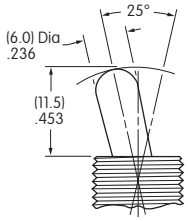

**For D1, D4, D3 or D8 Bushing with D Flat & for L3 or L8 Bushing**



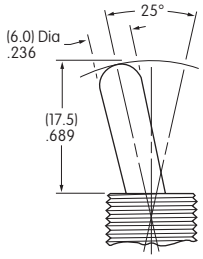
## LARGE TOGGLES

**Toggle & Bushing Combinations:** These toggles combine with the 12mm bushings B1 & B3.

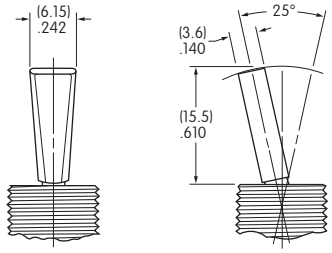
**B** **.453" (11.5mm) Large Bat**




**B2** **.689" (17.5mm) Large Bat**




**R** **.610" (15.5mm) Large Flatted**

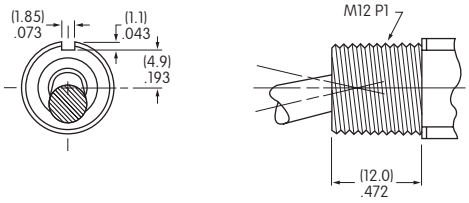



**Standard Material & Finish:** Brass with Bright Chrome

Optional Finishes: Contact factory for satin chrome or black.

## LARGE BUSHINGS

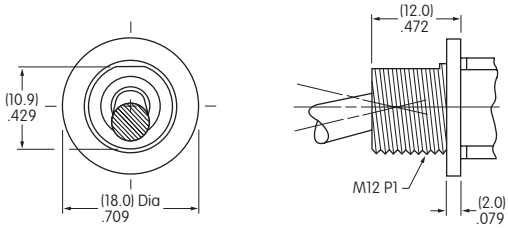
**B1** **Large .472" (12.0mm) Threaded with Keyway**




Maximum Panel Thickness with Standard Hardware: .216" (5.5mm)

**Standard Hardware for B1:**
1 hex face nut AT503M, 1 locking ring AT506M, 1 lockwasher AT508, and 1 hex backup nut AT527M

**B3** **Large .472" (12.0mm) Threaded Splashproof with D Flat**

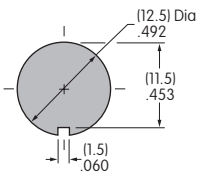



Maximum Panel Thickness with Standard Hardware: .256" (6.5mm)

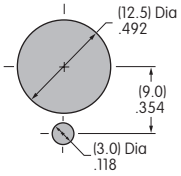
**Standard Hardware for B3:**
1 hex face nut AT503M and 1 o-ring AT401P

### Panel Cutouts

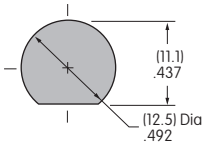
**For B1 Bushing with Keyway**




**For B1 Bushing with Locking Ring**

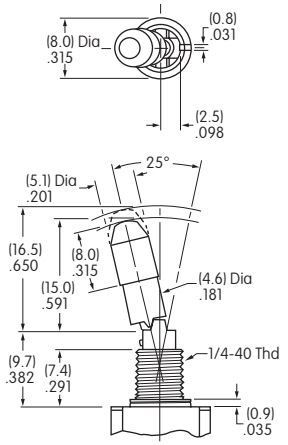



**For B3 Bushing with D Flat**

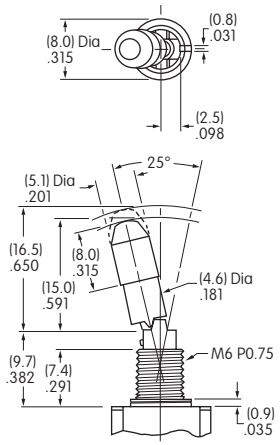


## LOCKING LEVER & BUSHINGS

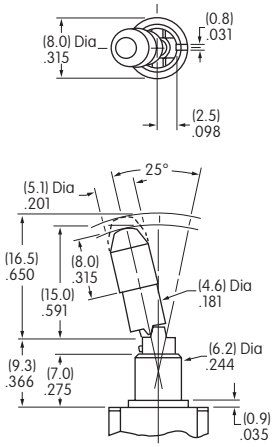
**LL1** **1/4-40 .291" (7.4mm) Threaded with Keyway**




**LL4** **6mm/.291" (7.4mm) Threaded with Keyway**

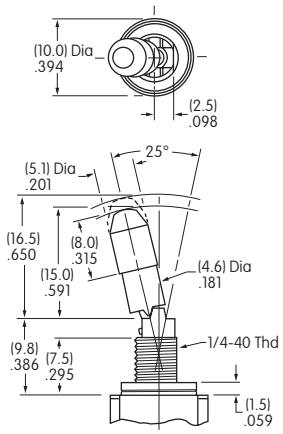



**LL2** **Smooth with Keyway**

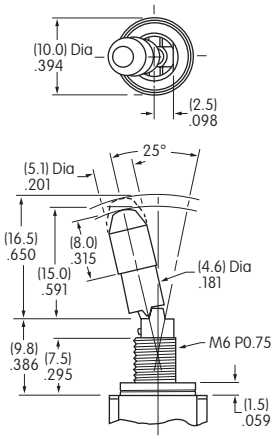



Maximum Panel Thickness with Standard Hardware: .047" (1.2mm)
Standard Hardware for L1 & L4: 2 hex nuts AT513H or AT513M,
1 locking ring AT507H or AT507M, and 1 lockwasher AT509

**LL3** **1/4-40 .295" (7.5mm) Threaded Splashproof with D Flat**



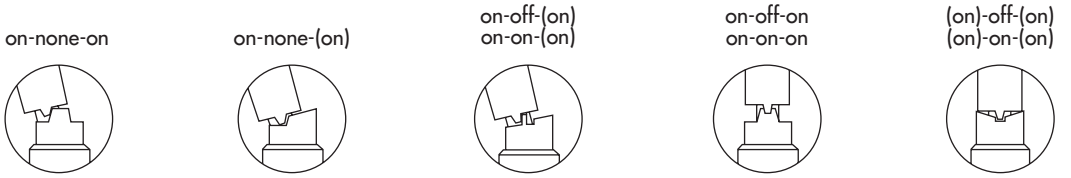

**LL8** **6mm/.295" (7.5mm) Threaded Splashproof with D Flat**




Maximum Panel Thickness with Standard Hardware: .047" (1.2mm)
Standard Hardware for L3 and L8: 1 hex nut AT513H or AT513M and 1 o-ring AT516

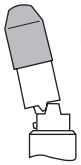
Lever Material & Finish: Brass with Chrome Plating

**Locking Mechanism**




**No Code** **Supplied with Cap AT427**

Cap Material:
Brass with Nickel Plating




**Color Codes for Optional Anodized Aluminum Caps**

A Black C Red G Blue

## CONTACT MATERIALS & RATINGS

| | | | |
|---|---|---|---|
| W | Silver over Silver | Power Level | 6A @ 125V AC & 3A @ 250V AC |
| G | Gold over Brass or Copper | Logic Level | 6A @ 125V AC & 3A @ 250V AC |

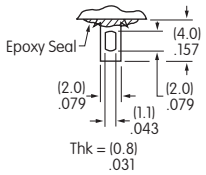
Note: See Supplement section to find complete explanation of operating range.

| | | | |
|---|---|---|---|
| A | Gold over Silver | Power Level or Logic Level | 6A @ 125V AC or 0.4VA maximum @ 28V AC/DC maximum |

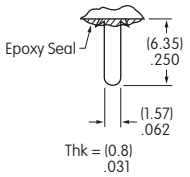
Note: This dual rated option is suitable when two or more identical switches are used in logic and in power circuits within the same application. See Supplement section to find complete explanation of dual rating and operating range.

## TERMINALS

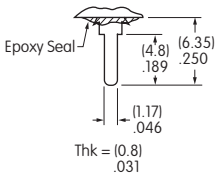
**01** Solder Lug

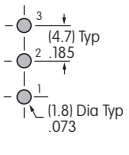



**02** .062" (1.57mm) Wide Quick Connect

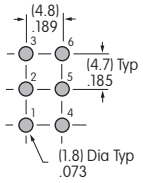



**03** .250" (6.35mm) Straight PC

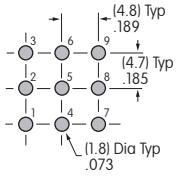


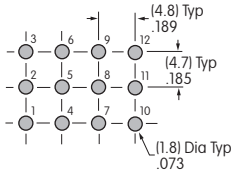

Single Pole




Double Pole




Three Pole




Four Pole

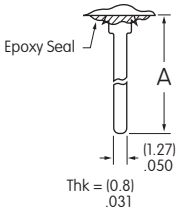
**05** .425" (10.8mm) Wirewrap or Extended PC

**06** .750" (19.05mm) Wirewrap or Extended PC

**07** .964" (24.5mm) Wirewrap or Extended PC

**08** 1.062" (27.0mm) Wirewrap or Extended PC

If using as extended PC terminal, refer to the above footprints.

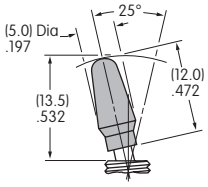



Dimension A = terminal lengths as shown beside the terminal codes at the left.

## OPTIONAL CAPS & CAP COLORS

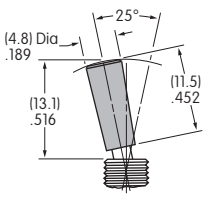
**B** AT415 Lever Cap for S Bat Toggle

Material: Polyethylene



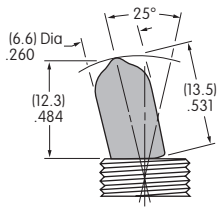

**C** AT444 Conical Cap for S Bat Toggle

Material: Polyethylene



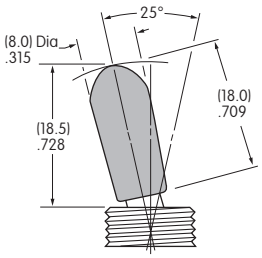

**R** AT434 Lever Cap for B Toggle

Material: Polyvinyl Chloride




**V** AT406 Lever Cap for B2 Toggle

Material: Polyvinyl Chloride

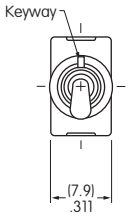


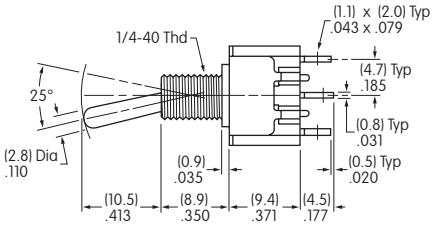

**Cap Colors Available:** A Black · B White · C Red · E Yellow · F Green · G Blue

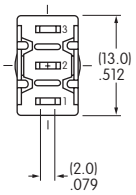
## TYPICAL SWITCH DIMENSIONS

### Solder Lug — Single Pole





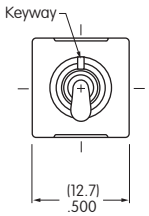



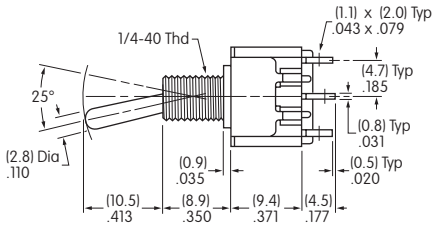

**M2012SS1W01**

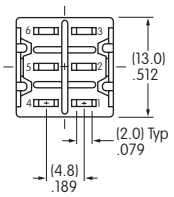
M2011 model does not have terminal 1.

### Solder Lug — Double Pole





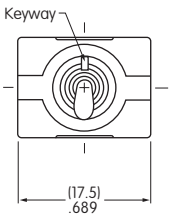



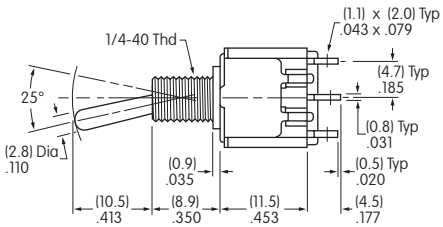

**M2022SS1W01**

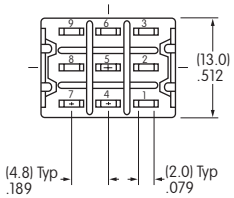
M2021 model does not have terminals 1 & 4.

### Solder Lug — Three Pole





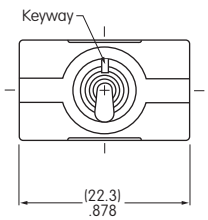



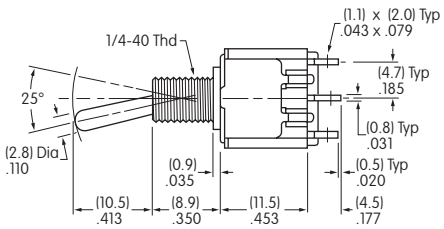



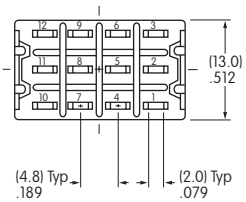

**M2032SS1W01**

### Solder Lug — Four Pole





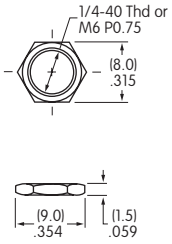



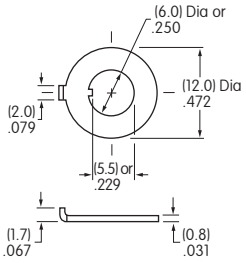

**M2042SS1W01**

## STANDARD HARDWARE FOR SMALL & LARGE BUSHINGS

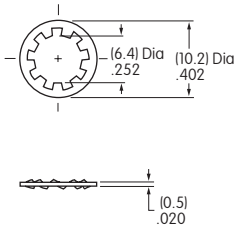
**AT513H for Inch**
**AT513M for Metric**
**Hex Nut**
Brass/Nickel



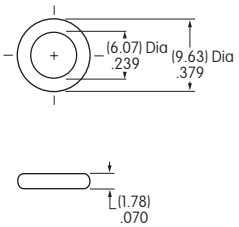

**AT507H for Inch**
**AT507M for Metric**
**Locking Ring**
Steel with Zinc/Chromate



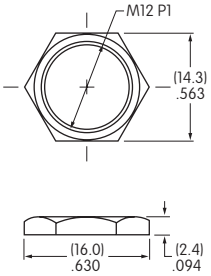

**AT509**
**Lockwasher**
Steel with Zinc/Chromate
(not supplied with splashproof models)



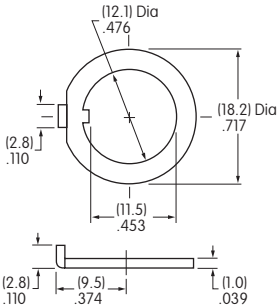

**AT516**
**O-ring for**
**Splashproof Models**
Nitrile Butadiene Rubber



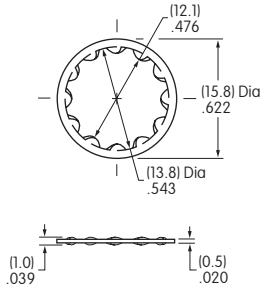

**AT503M**
**Hex Face Nut**
Brass/Chrome



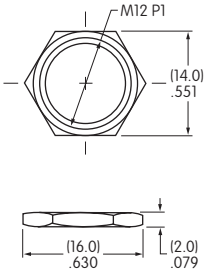

**AT506M**
**Locking Ring**
Steel with Zinc/Chromate



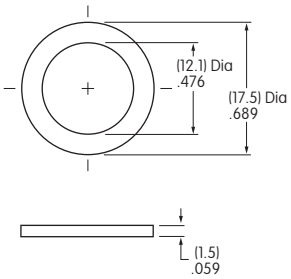

**AT508**
**Lockwasher**
Steel with Zinc/Chromate
(not supplied with splashproof models)




**AT527M**
**Hex Nut**
Steel with
Nickel Plating



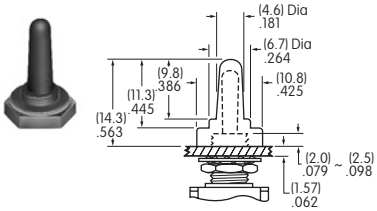

**AT401P**
**O-ring for Splashproof Models**
Nitrile butadiene rubber



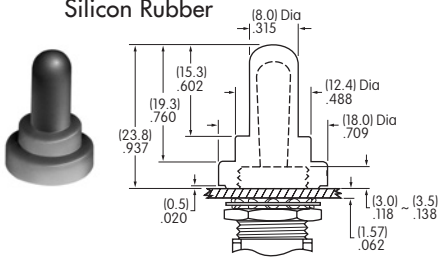

## OPTIONAL SPLASHPROOF BOOTS

Various optional nuts and ON-OFF plates are available; dimensions are shown in the Accessories & Hardware section.

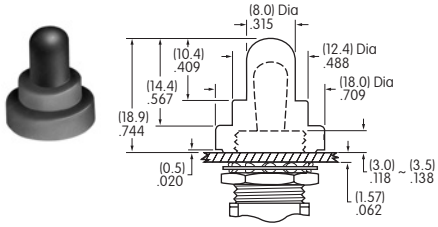
**AT428 (M-metric H-Inch)**
**.445" (11.3mm)**
**Boot for S Toggle**
Silicon Rubber



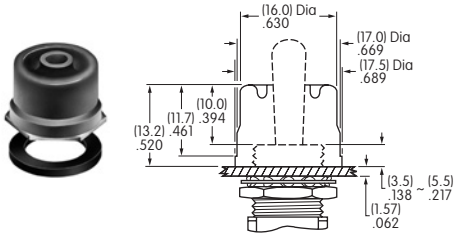

**AT402**
**.760" (19.3mm)**
**Boot for B2 Toggle**
Silicon Rubber



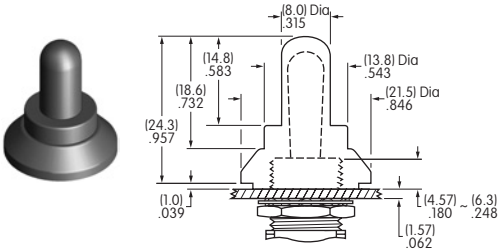

**AT402S**
**.567" (14.4mm)**
**Boot for B Toggle**
Silicon Rubber




**AT401A/H/S**
**.461" (11.7mm)**
**Boot, Nut and O-ring for B2 Toggle**
More details in Accessories section




**AT4181** NEW
**.732" (18.6mm)**
**Boot, Nut and O-ring for B2 Toggle**
More details in Accessories section



Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

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**Наши контакты:**

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**Электронная почта:** sales@st-electron.ru

**Адрес:** 198099, Санкт-Петербург, Промышленная ул, дом № 19, литера Н, помещение 100-Н Офис 331