

# ATP19 Series

## Anti-Vandal Sealed Pushbutton Switches



### Agency Approvals

Agency	Agency File Number
	E42363

### Specifications

<b>Function</b>	Single pole and double poles
<b>Contact Arrangement</b>	N.O. And N.C.
<b>Mounting Type</b>	Threaded front panel mount
<b>Torque for Threaded Body</b>	5-14 Nm

### Mechanical Specifications

<b>Mechanical Life</b>	Momentary 1,000,000 cycles Self-lock 500,000 cycles
<b>Total Travel</b>	About 3.2 mm
<b>Operating Force</b>	1 pole 2.5 ± 1N 2 pole 3.5 ± 1N

### Electrical Specifications

<b>Contact Rating</b>	1th 5A/250VAC 3A / 250VAC 3A / 28VDC
<b>Operating Life</b>	50,000 make-and-break cycles at full load
<b>Dielectric Strength</b>	2,000 V RMS @ sea level
<b>Insulation Resistance</b>	1,000 MΩ min. @ 500 VDC
<b>Initial Contact Resistance</b>	50 mΩ max @ 1A 12 VDC
<b>Operating Temperature</b>	-20°C to 55°C
<b>Sealing / Protection</b>	IP67 / IK10 (Stainless steel bushing)

#### Notes:

Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, please contact Customer Service.

### Description

The ATP19 series is an anti-vandal sealed pushbutton switch that offers the industry standard ring illuminated version in 19 mm diameter. The pushbutton switches use a scratch resistant actuator and housings are made of robust stainless steel particularly suitable for use in equipment subjected to harsh conditions or applications that require protection from vandalism. The 19 mm pushbuttons meet the seal protection and impact resistance ratings of IP67 and IK10 that design to withstand the possible extreme outdoor environmental and may subject to abuse. Also, the ATP19 comes with a variety of LED colors as illuminated pushbuttons and various of indicators on the actuator that meet your application needs.

### Features & Benefits

- Momentary or Lock version
- IP67 sealed & IK10 (Stainless steel bushing)
- Capable of up to 3A resistive load
- 50,000 life cycle at full load
- Various colors of LED illuminate indicator
- Choices of pushbutton with symbol on spot, ring or power logo

### Applications

- Control Panels including car park and traffic light
- Industrial Instruments
- Lifts / Escalator
- Communication equipment
- Alarm, safety and security systems

### Materials

<b>Bushing</b>	Stainless steel / Nickel plated brass / Aluminum alloy
<b>Base</b>	PBT (UL 94-A0), PC (UL 94-V2)
<b>Actuator</b>	PC, (UL 94-V2); Stainless steel / Nickel plated brass / Aluminum alloy
<b>Internal Assembly</b>	POM / PA66
<b>Spring</b>	Steel
<b>Sealing / O-ring</b>	Silicone
<b>Terminals</b>	Brass with silver or gold plated
<b>Contact</b>	Copper, silver plated

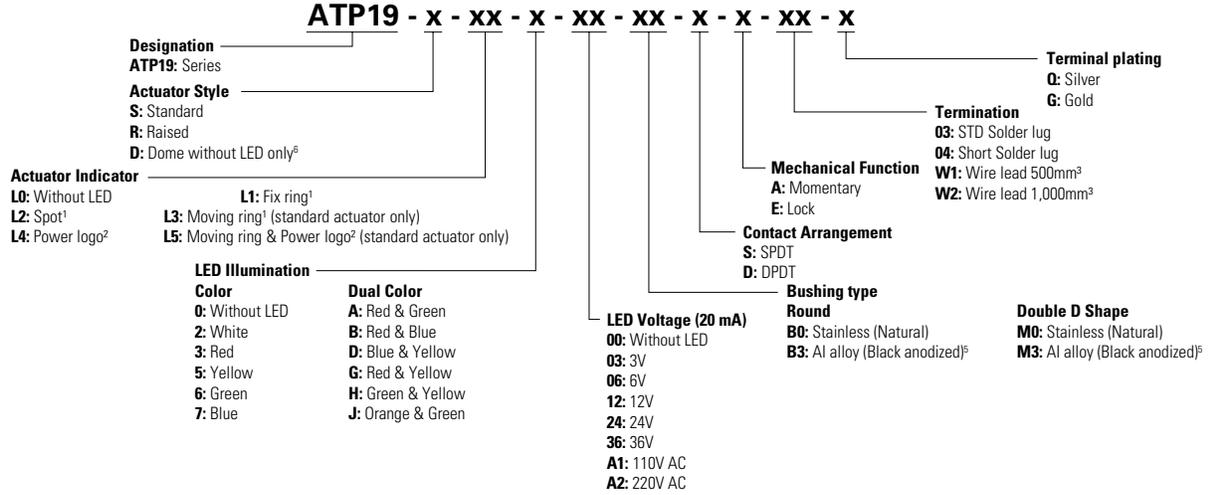
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### Ordering Number

To order, simply select desired option from each category and place in the appropriate box.

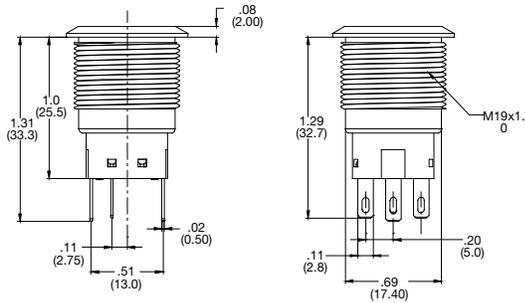


**Notes:**

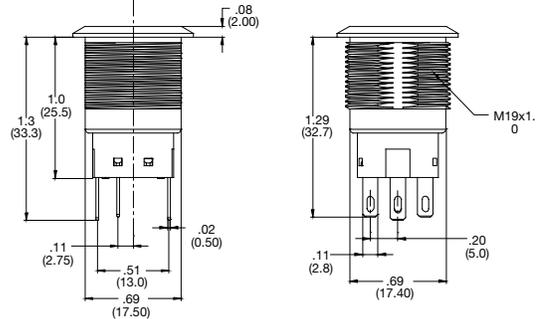
1. Available on round bushing only
2. Available on double D-shape bushing only
3. Available upon request, please contact your sales representative for details
4. Come in B0 & M0 with L1 or L4 indicator only
5. Come in S style actuator only & no L5 indicator
6. Without LED & for B0 & M0 bushing type only

### Standard View - Dimensions inches (mm)

#### Round Bushing

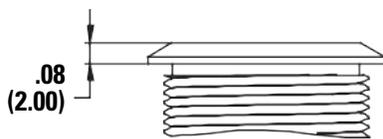


#### Double-D Bushing

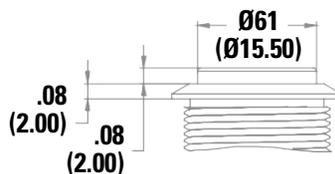


### Actuator Style - Dimensions inches (mm)

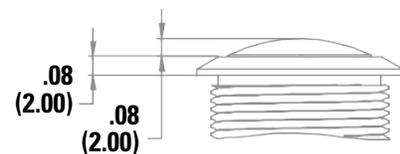
#### S Standard



#### R Raised



#### D Dome



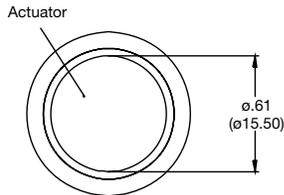
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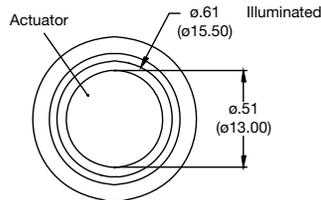


### Actuator Indicator - Dimensions inches (mm)

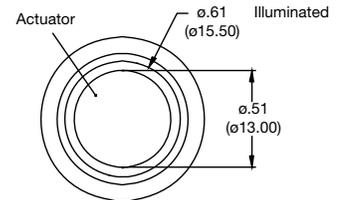
**L0 Without LED**



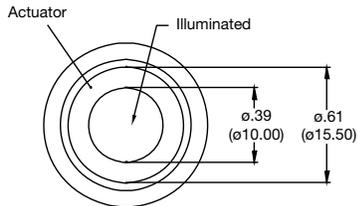
**L1 Fix Ring**



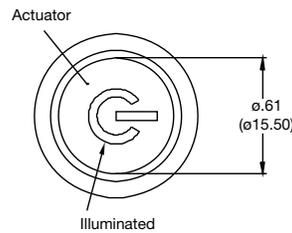
**L3 Moving Ring**



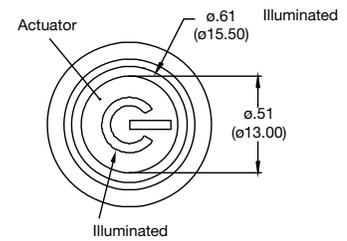
**L2 Spot**



**L4 Power Logo**



**L5 Power & Moving Ring**

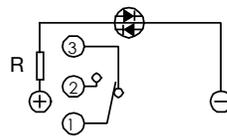


### Circuit

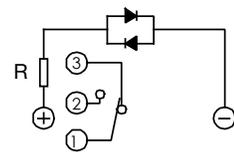
**SPDT**



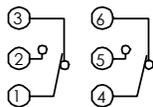
**SPDT - Single Color LED**



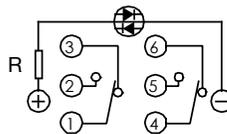
**SPDT - Dual Color LED**



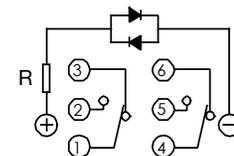
**DPDT**



**DPDT - Single Color LED**



**DPDT - Dual Color LED**



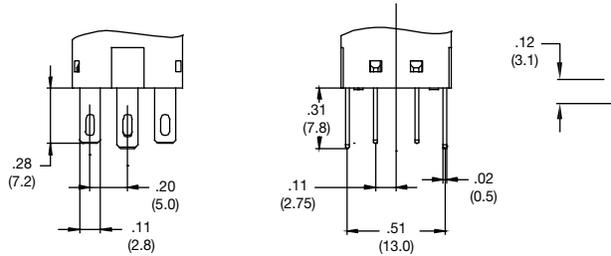
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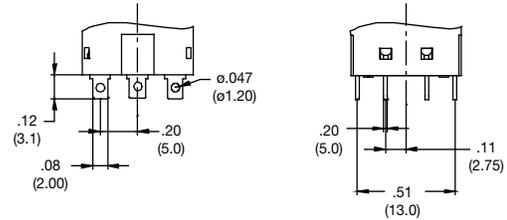


### Termination - Dimensions inches (mm)

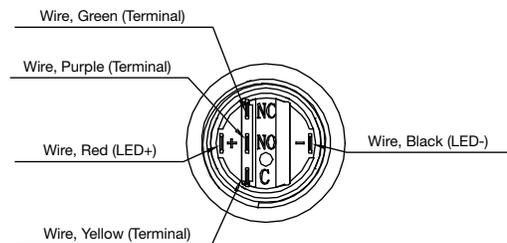
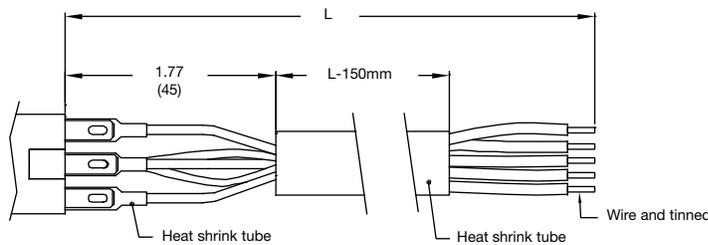
#### 03 Solder Lug



#### 04 Short Solder Lug

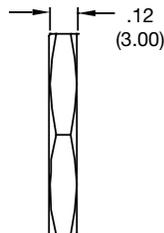
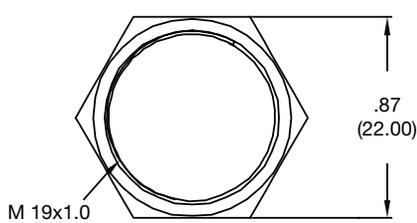


### W1 or W2 Wire Lead

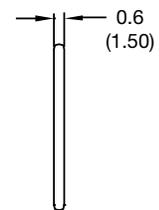
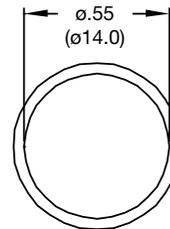


### Hardware - Dimensions inches (mm)

#### Hex Nut Order PN: ATP19-HN



#### O Ring Order PN: ATP19-OR



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