

# ATPS22 Series

## Anti-Vandal Short-Body Sealed Pushbutton Switch



### Specifications

Function	SPST
Contact Arrangement	N.O.
Mounting Type	Threaded front panel mount
Torque for Threaded Body	11.5 kgf/cm

### Mechanical Characteristics

Mechanical Life	1,000,000 cycles
Total Travel	1.8 ± 0.2 mm
Operating Force	4.5 ± 1.5N

### Electrical Characteristics

Contact Rating	2A / 36 VDC
Operating Life	Make-and-break cycles at full load 200,000
Dielectric Strength	2,000 V RMS @ sea level
Insulation Resistance	1,000 MΩ min. @ 500 VDC
Initial Contact Resistance	50 mΩ max @ 1A 12 VDC
Operating Temperature	-20°C to 70°C
Sealing / Protection	IP67

### Description

The ATPS22 series anti-vandal short body sealed pushbutton switch is designed to withstand deliberate damage and vandalism, which in turn can reduce the need for costly in-field repairs and product recalls. Besides being vandal proof, the new pushbutton switches share many characteristics of other ATP pushbuttons in the range, including being lightweight, IP67-rated and corrosion resistant. As the devices integrating this switch are often outdoors, the ATPS22 pushbutton has been designed to withstand extreme environmental conditions and water exposure.

### Features & Benefits

- Momentary
- IP67 sealed & IK10 (Stainless steel bushing)
- Rated at 2A / 36 Vdc
- 1,000,000 mechanical lifecycles
- Various colors of LED illuminate indicator
- Choices of actuator with ring or power logo
- RoHS compliant

### Applications

- Alarm, safety & security systems
- Intercom "push-to-talk" devices
- Automatic food & drink vending machines
- Parking lot ticket machines & ticket paying stations
- Industrial instruments

### Materials

Bushing	Stainless steel
Base	PA66, white (UL 94 V-0)
Actuator	PC, translucent (UL 94 V-2), std steel
Internal Assembly	PC, transparent (UL 94 V-2)
Spring	Steel
Sealing / O-ring	Silicone (Translucent) / Silicone
Terminals	Brass, gold flash plated
Contact	Brass, coin sliver, gold flash plated

#### Notes:

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

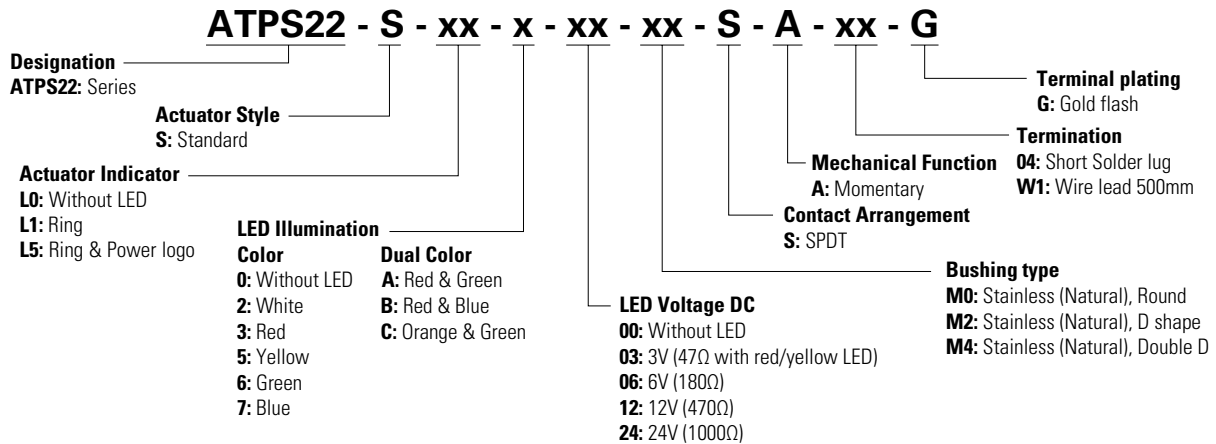
# ATPS22 Series

## Anti-Vandal Short-Body Sealed Pushbutton Switch



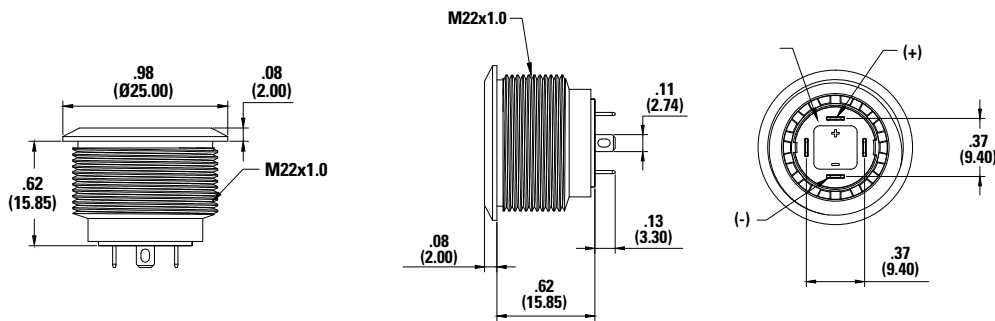
### Ordering Number

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



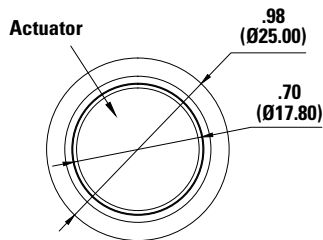
### Standard View inches (mm)

#### Standard

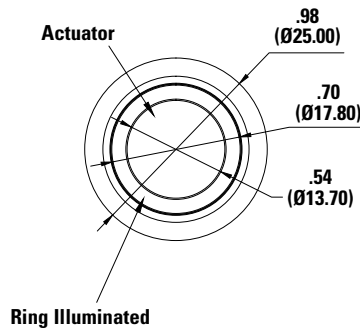


### Actuator Indicator inches (mm)

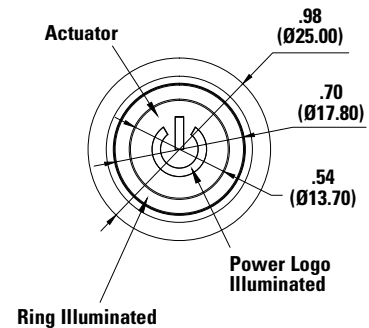
#### L0 Without LED



#### L1 Ring



#### L5 Ring & Power

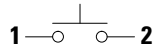


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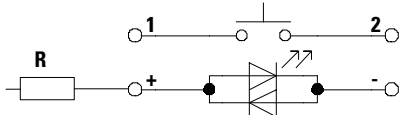
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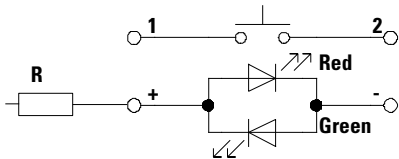
### Without LED



### Single Color LED



### Dual Color LED



**Notes:**

**R:** Resistor value is according to the LED voltage applied.

### Circuit

### Resistor Value

Resistor value (Apply LED voltage)
LED input 3 VDC, 47 ohms (Red/Yellow/Orange LED type only)
LED input 6 VDC, 180 ohms
LED input 12 VDC, 470 ohms
LED input 24 VDC, 1000 ohms

**Notes:**

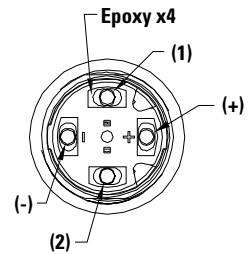
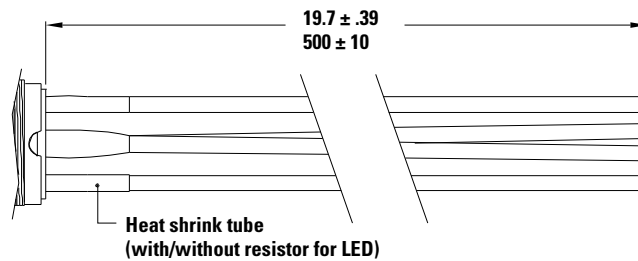
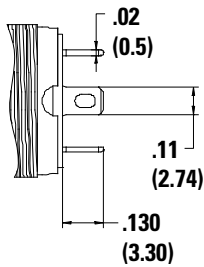
Ohms value of resistance tolerance: ±5%

### Termination inches (mm)

#### W1 Wire Lead 500mm<sup>1</sup>

Multi-wire lead AWG20, Section 0.6 mm<sup>2</sup>, UL approved

#### 04 Solder Lug



### Non-LED

Description	Wire color
Terminal 1	Black
Terminal 2	

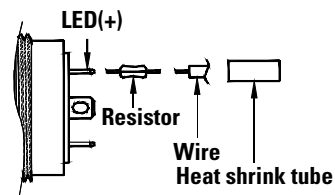
### With LED

Description	Wire color
Terminal 1	Black
Terminal 2	
LED+	Red
LED-	Green

**Note:**

Special length, please consult your sales representative for details.

### Resistor Combination



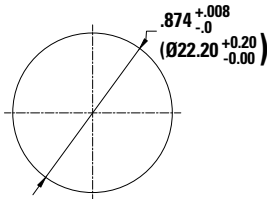
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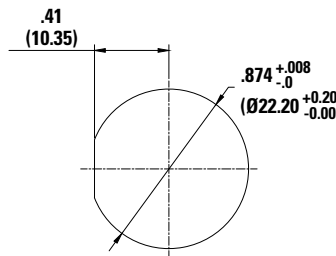


### Panel Cutout inches (mm)

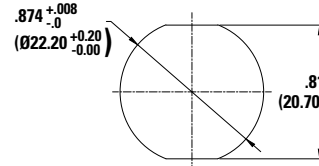
M0 Round



M2 D Shape

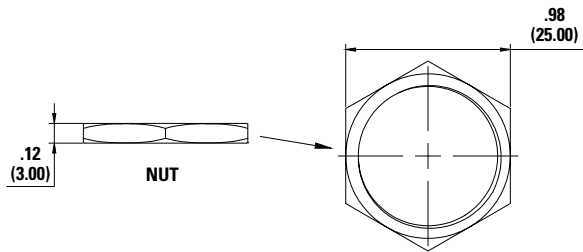


M4 Double D

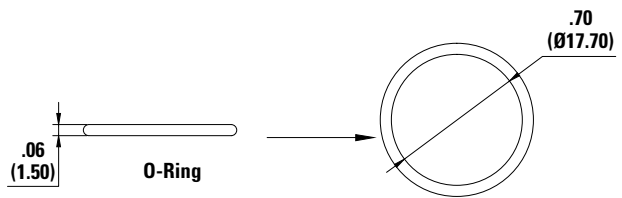


### Hardware inches (mm)

Hex Nut  
Order PN: ATP22-HN



O Ring  
Order PN: ATP22-OR



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