



# ATPS19 Series Anti-Vandal Short-Body Sealed Pushbutton Switch

**NEW**

Pushbutton  
A

## 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

## Typical Applications

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



## Specifications

FUNCTION: SPST  
CONTACT ARRANGEMENT: N.O.  
MOUNTING TYPE: Threaded front panel mount  
TORQUE FOR THREADED BODY: 11.5 kgf/cm

## Mechanical

MECHANICAL LIFE: 1,000,000 cycles  
TOTAL TRAVEL: 1.8 ± 0.2 mm  
OPERATING FORCE: 4.5 ± 1.5N

## Electrical

CONTACT RATING: 2A / 36Vdc  
ELECTRICAL 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 12VDC

## Materials

BUSHING: Stainless steel  
BASE: PA66, white (UL 94-V0)  
ACTUATOR: PC, translucent (UL 94-V2), std steel  
INTERNAL ASSEMBLY: PC, transparent (UL 94V2)  
SPRING: Steel  
SEALING / O-ring: Silicone (Translucent) / Silicone  
TERMINALS / CONTACT: Brass, gold flash plated / Brass, silver alloy  
HEX NUT: Brass (Nickel plated)

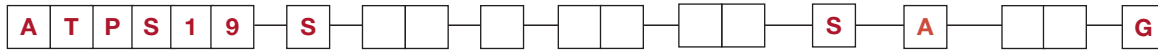
## Operating Environment

OPERATING TEMPERATURE: -20°C to +70°C  
SEALING / PROTECTION: IP67

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

## Build-A-Switch

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



**Designation**  
ATPS19 Series

**Actuator Style**  
S Standard

**Actuator Indicator**  
L0 Without LED  
L1 Ring  
L5 Ring & Power logo

### LED Illumination

Color	Dual Color
0 Without LED	A Red & Green
2 White	B Red & Blue
3 Red	
5 Yellow	
6 Green	
7 Blue	

### LED Voltage DC

00 0V without resistor  
03 3V (47Ω with red/yellow LED)  
06 6V (180Ω)  
12 12V (470Ω)  
24 24V (1000Ω)

**Terminal Plating**  
G Gold flash

**Termination**  
04 Solder lug  
W1 Wire lead 500mm

**Mechanical Function**  
A Momentary

**Contact Arrangement**  
S SPST

### Bushing type

M0	Stainless (Natural), Round
M2	Stainless (Natural), D shape
M4	Stainless (Natural), Double D

**NEW**

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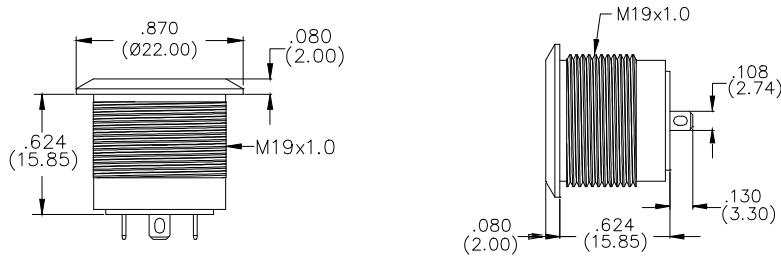


**A**

**Pushbutton**

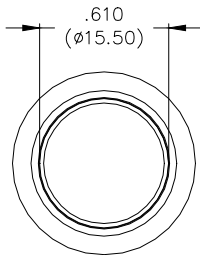
## STANDARD VIEW

### STANDARD

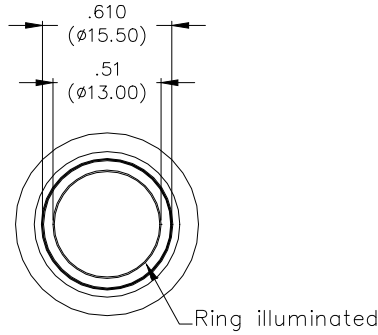


## ACTUATOR INDICATOR

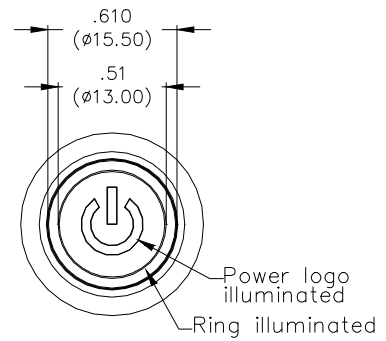
### L0 WITHOUT LED



### L1 RING



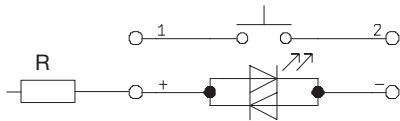
### L5 RING & POWER



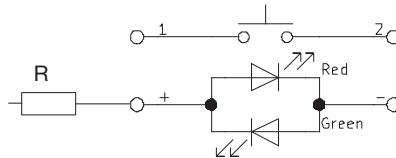
## CIRCUIT

### MOMENTARY

#### SINGLE COLOR LED



#### DUAL COLOR LED



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

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

Ohms value of resistance tolerance: ±5%

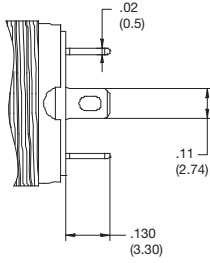


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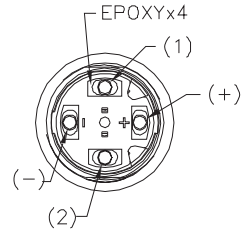
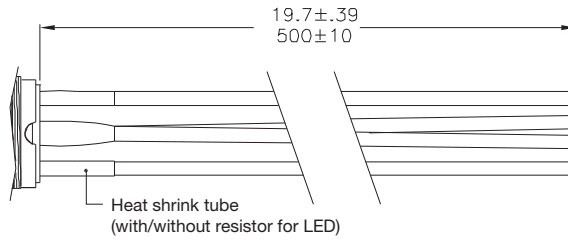
Pushbutton  
A

## TERMINATION

### 04 SOLDER LUG



### W1 WIRE LEAD 500MM\* (Multi-wire lead AWG20, Section 0.6 mm<sup>2</sup>, UL approved)

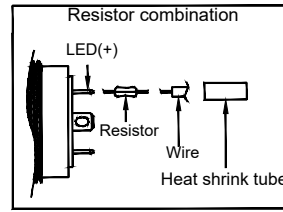


#### Non-LED

Description	Wire color
Terminal 1	Black
Terminal 2	Black

#### With LED

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

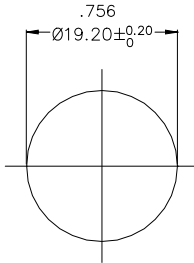


\* Special length, please consult your sales representative for details.

## PANEL CUTOUT

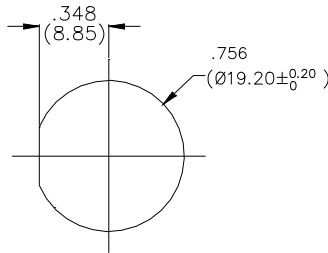
### M0

ROUND



### M2

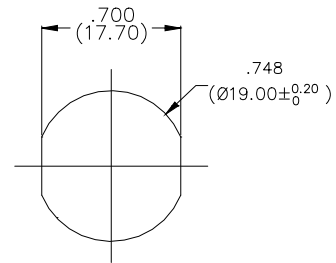
D SHAPE



### M4

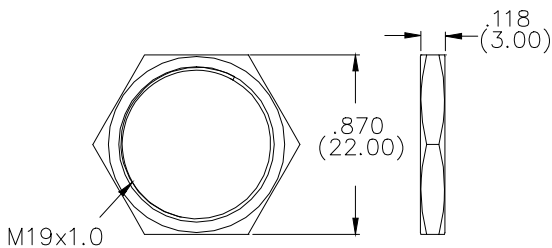
DOUBLE D

Thickness: 6.0mm (Max.)



## HARDWARE

### HEX NUT



### O RING

