ATPS19 Series

Anti-Vandal Short-Body Sealed Pushbutton Switches



Description

The ATPS19 series 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 switches share many characteristics of other ATP switches in the range, including being lightweight, IP67-rated, and corrosion resistant. As the devices integrating this switch are often outdoors, the switch 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 and security systems
- Intercom "push-to-talk" devices
- Automatic food and 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 Characteristics

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

Electrical Characteristics

Contact Rating	2A / 36 Vdc
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 12 VDC

Operating Environment

Operating Temperature	-20°C to 70°C
Sealing / Protection	IP67

Materials

Bushing	Stainless steel
Base	PA66, white (UL94-V0)
Actuator	PC, translucent (UL 94-V2), std steel
Internal Assembly	PC, transparent (UL 94-V2)
Spring	Steel
Sealing / O-ring	Silicone (Translucent) / Silicone
Terminals	Brass, gold flash plated
Contacts	Brass, coin silver, gold flash plated
Hex Nut	Brass (Nickel plated)

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

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Ordering Number

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

ATPS19 - S - xx - x - xx - xx - S - A - xx - G

Designation
ATPS19: Series

Actuator Style
S: Standard

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

LED Illumination

Color
0: Without LED
2: White
3: Red
5: Yellow
6: Green
7: Blue

Dual Color
A: Red & Green
B: Red & Blue

LED voltage DC
00: Without LED
03: 3V (47Ω with red/yellow LED)
06: 6V (180Ω)
12: 12V (470Ω)
24: 24V (1000Ω)

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

Contact Arrangement
S: SPST

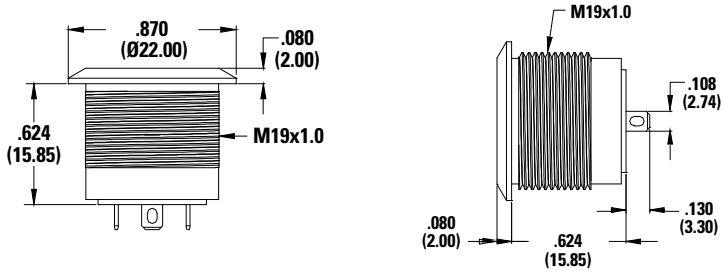
Mechanical Function
A: Momentary

Termination
04: Solder lug
W1: Wire lead 500mm

Terminal plating
G: Gold flash

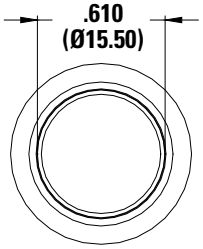
Standard View

Standard (inches, mm)

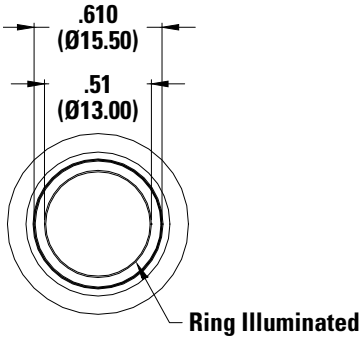


Actuator Indicator

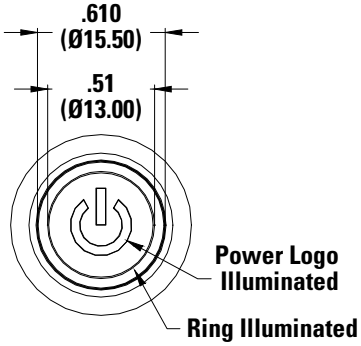
L0 Without LED



L1 Ring



L5 Ring & Power



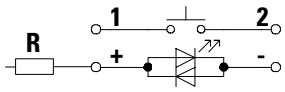
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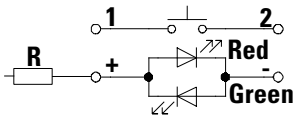
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Circuit
Momentary

Single Color LED



Duel Color LED



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

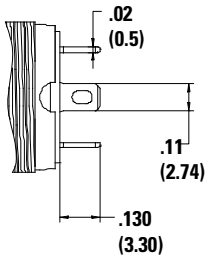
Resistor value (Apply LED voltage)

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

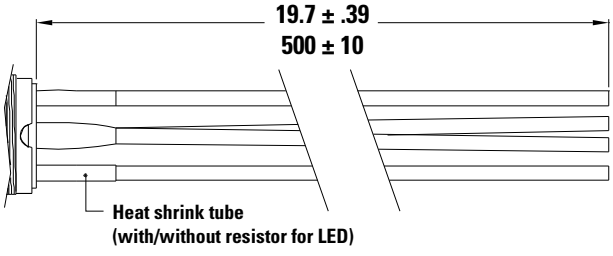
Notes:
Ohms value of resistance tolerance: ±5%

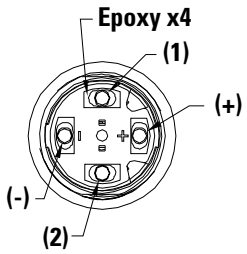
Termination

04 Solder Lug



W1 Wire Lead 500mm[1]
Multi-wire lead AWG20, Section 0.6 mm2, UL approved





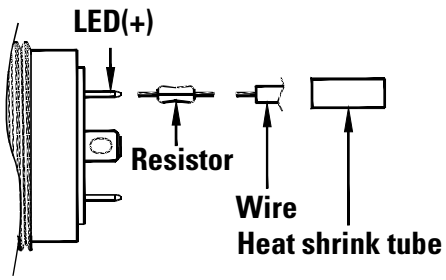
Non-LED

Description	Wire color
Terminal 1	Black
Terminal 2	

With LED

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

Resistor combination



Notes:
1: Special length, please consult your sales representative for details.

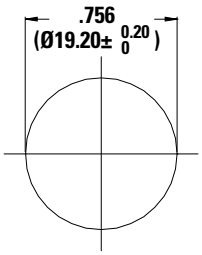
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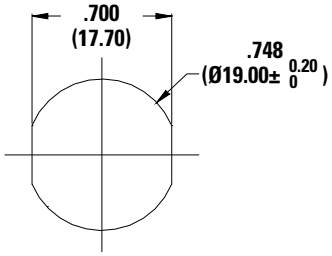
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Panel Cutout

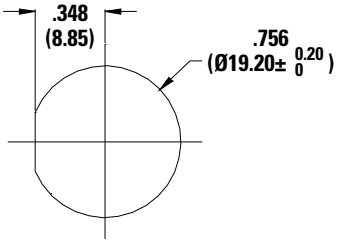
M0 Rounder



M4 Double D

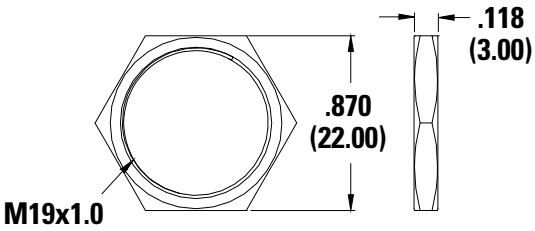


M2 D Shape

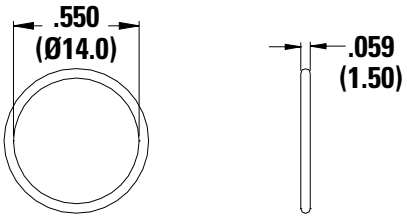


Hardware

Hex Nut
Order PN: ATP19-HN



O Ring
Order PN: ATP19-OR



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