ATPS19 Series
Anti-Vandal Short-Body Sealed Pushbutton Switch

NEW

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.

A	T	P	S	1	9	S									S	A			G

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)

Bushing type

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

Contact Arrangement
S SPST

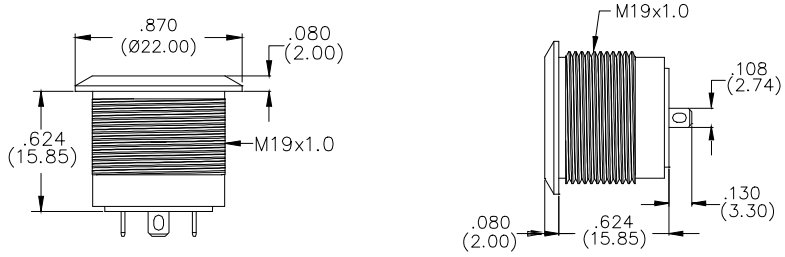
Mechanical Function
A Momentary

Termination
04 Solder lug
W1 Wire lead 500mm

Terminal Plating
G Gold flash

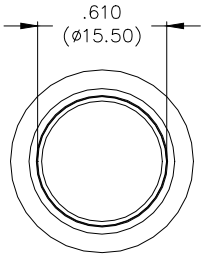
STANDARD VIEW

STANDARD

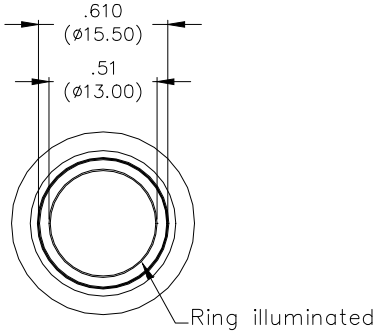


ACTUATOR INDICATOR

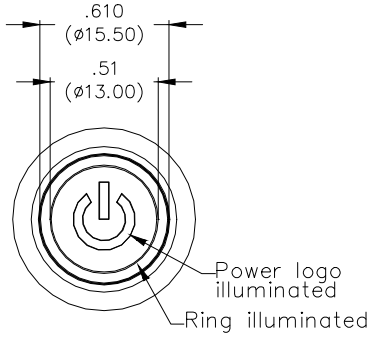
L0 WITHOUT LED



L1 RING



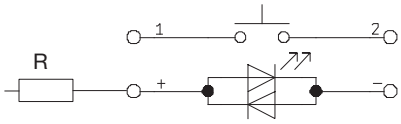
L5 RING & POWER



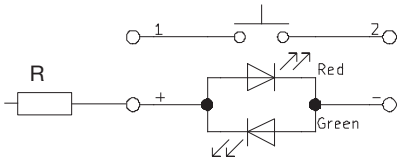
CIRCUIT

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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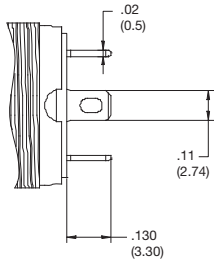
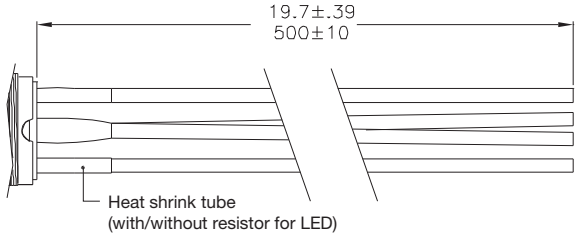
TERMINATION

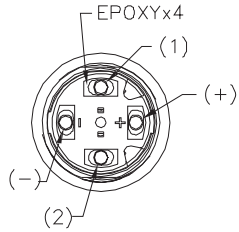
04 SOLDER LUG



W1 WIRE LEAD 500MM*

(Multi-wire lead AWG20, Section 0.6 mm², UL approved)



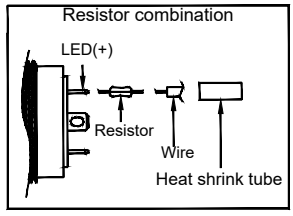


Non-LED

Description	Wire color
Terminal 1	Black
Terminal 2	Black

With LED

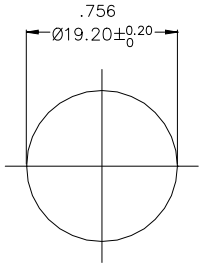
Description	Wire color
Terminal 1	Black
Terminal 2	Black
LED+	Red
LED-	Green



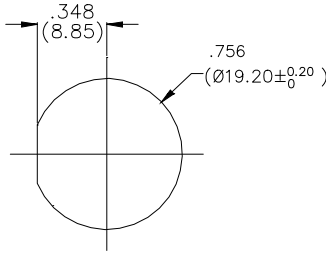
* Special length, please consult your sales representative for details.

PANEL CUTOUT

M0
ROUND

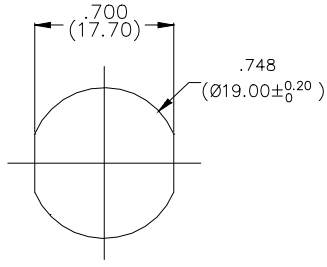


M2
D SHAPE



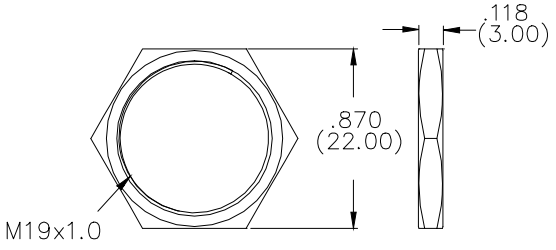
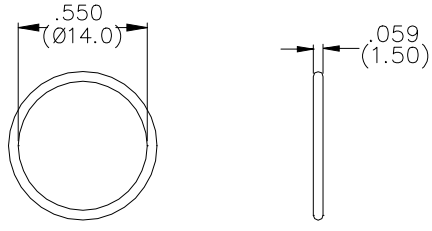
M4
DOUBLE D

Thickness: 6.0mm (Max.)



HARDWARE

HEX NUT



O RING