

ATP19 Series Anti-Vandal Sealed Pushbutton Switch

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

Typical Applications

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



Specifications

FUNCTION: Single pole and double poles
CONTACT ARRANGEMENT: N.O. and N.C.
MOUNTING TYPE: Threaded front panel mount
TORQUE FOR THREADED BODY: 5-14 Nm

Mechanical

OPERATING LIFE: Momentary 1,000,000 cycles
Self-lock 500,000 cycles
TOTAL TRAVEL: about 3.2 mm
OPERATING FORCE: 1 pole $2.5 \pm 1N$
2 pole $3.5 \pm 1N$

Electrical

CONTACT RATING: lth 5A/250VAC
3A / 250VAC
3A / 28VDC
OPERATING LIFE: 50,000 make-and-break cycles at full load
DIELECTRIC STRENGTH: 2,000 V RMS @ sea level
INSULATION RESISTANCE: 1,000 M Ω min. @ 500 VDC
INITIAL CONTACT RESISTANCE : 50 m Ω max @1A 12VDC

Materials

BUSHING: Stainless steel / Nickel plated brass / Aluminum alloy
BASE: PBT (UL 94-A0), PC (UL 94-V2)
ACTUATOR: PC (UL 94-V2); Stainless steel / Nickel plated brass / Aluminum alloy
INTERNAL ASSEMBLY: POM / PA66
SPRING: Steel
SEALING / O-ring: Silicone
TERMINALS: Brass with silver or gold plated
CONTACT: Copper, silver plated

Operating Environment

OPERATING TEMPERATURE: -20°C to +55°C
SEALING / PROTECTION: IP67 / IK10 (Stainless steel bushing)

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.

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Designation _____
ATP19 Series

Actuator Style

- S** Standard
- R** Raised #
- D** Dome without LED only ###

Actuator Indicator

- L0** Without LED *
- L1** Fix ring *
- L2** Spot *
- L3** Moving ring * (standard actuator only)
- L4** Power logo **
- L5** Moving ring & Power logo ** (standard actuator only)

LED Illumination

Color	Dual color
0 Without LED	A Red & Green
2 White	B Red & Blue
3 Red	D Blue & Yellow
5 Yellow	G Red & Yellow
6 Green	H Green & Yellow
7 Blue	J Orange & Green

LED voltage (20mA)

- 00** Without LED
- 03** 3V
- 06** 6V
- 12** 12V
- 24** 24V
- 36** 36V
- A1** 110V AC
- A2** 220V AC

Terminal plating

- Q** Silver
- G** Gold

Termination

- 03** STD solder lug
- 04** Short solder lug
- W1** Wire lead 500mm ***
- W2** Wire lead 1,000mm ***

Mechanical function

- A** Momentary
- E** Lock

Contact arrangement

- S** SPDT
- D** DPDT

Bushing type

Round	Double D shape
B0 Stainless (Natural)	M0 Stainless (Natural)
B3 Al alloy (Black anodized) ##	M3 Al alloy (Black anodized) ##

* Available on round bushing only

** Available on double D-shape bushing only

*** Available upon request, please contact your sales representative for details

Come in B0 & M0 with L1 or L4 indicator only

Come in S style actuator only & no L5 indicator

Without LED & for B0 & M0 bushing type only



Third Angle
Projection

Dimensions are shown: mm (inches)
Specifications and dimensions subject to change

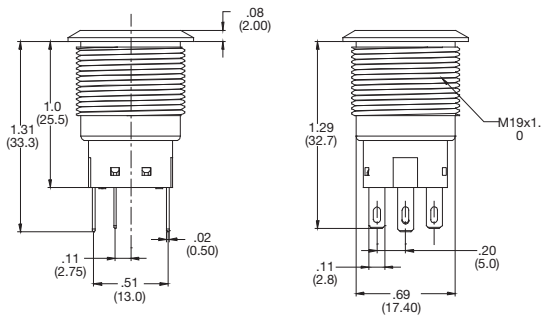


ATP19 Series Anti-Vandal Sealed Pushbutton Switch

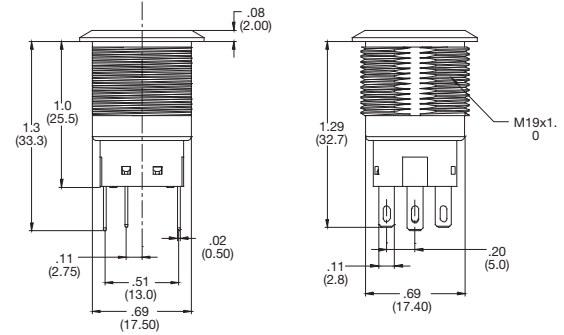
Pushbutton
A

STANDARD VIEW

ROUND BUSHING

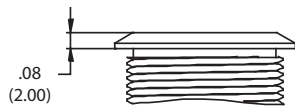


DOUBLE-D BUSHING

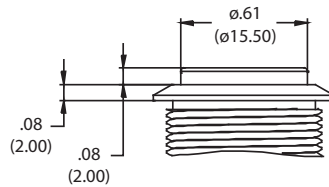


ACTUATOR STYLE

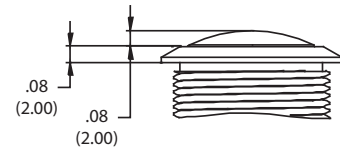
S STANDARD



R RAISED

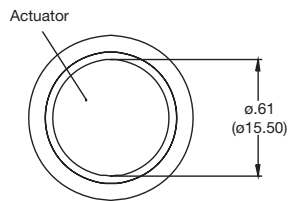


D DOME

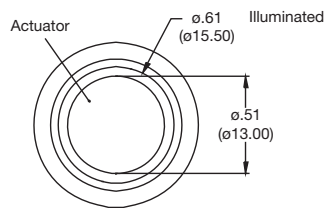


ACTUATOR INDICATOR

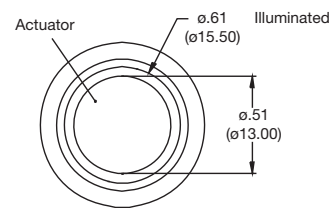
L0 WITHOUT LED



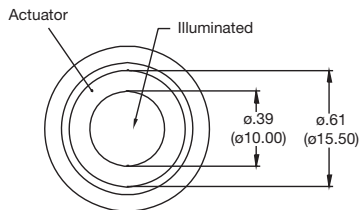
L1 FIX RING



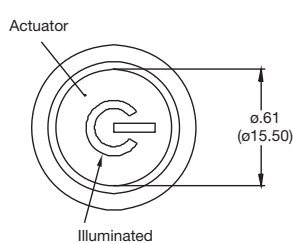
L3 MOVING RING



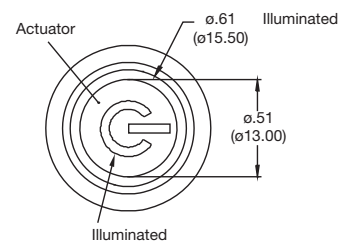
L2 SPOT



L4 POWER LOGO



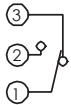
L5 POWER & MOVING RING



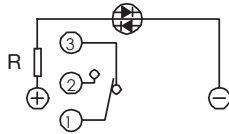
ATP19 Series Anti-Vandal Sealed Pushbutton Switch

CIRCUIT

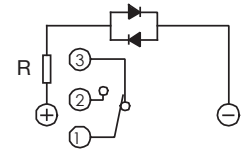
SPDT



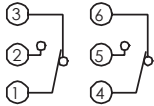
SPDT - SINGLE COLOR LED



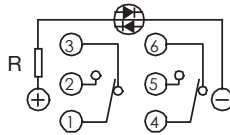
SPDT - DUAL COLOR LED



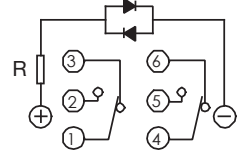
DPDT



DPDT - SINGLE COLOR LED

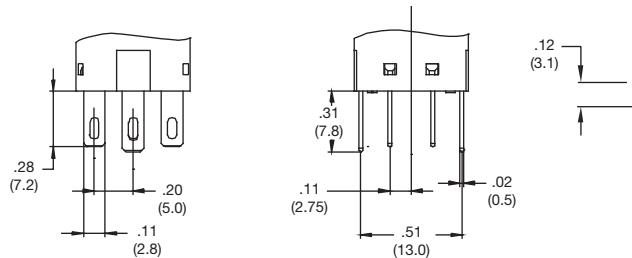


DPDT - DUAL COLOR LED

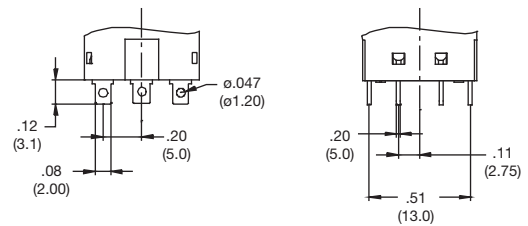


TERMINATION

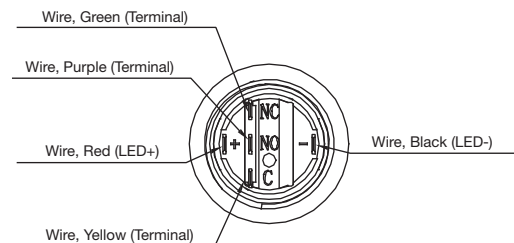
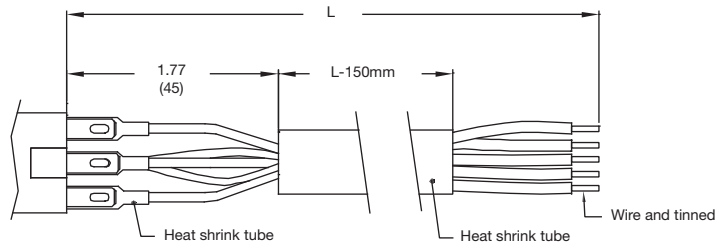
03 SOLDERLUG



04 SHORT SOLDER LUG



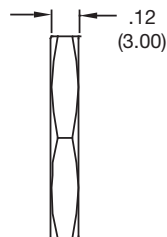
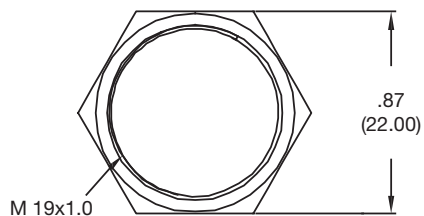
W1 OR W2 WIRE LEAD



HARDWARE

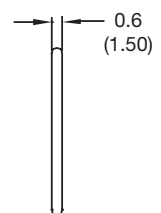
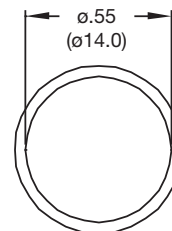
HEX NUT

Order PN: ATP19-HN



O RING

Order PN: ATP19-OR



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