

ATP19 Series Anti-Vandal Sealed Pushbutton Switch



A
Pushbutton

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**



C&K US

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.



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 ***

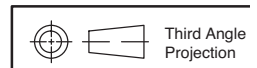
Mechanical function
A Momentary
E Lock

Contact arrangement
S SPDT
D DPDT

Bushing type

Round	Double D shape
B0 Stainless (Natural)	M0 Stainless (Natural)
B1 Brass (Mirror Chrome Plated)	M1 Brass (Mirror Chrome plated)
B2 Brass (Nickel plated)	M2 Brass (Nickel plated)
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



Third Angle
Projection

C&K

5 May 21

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

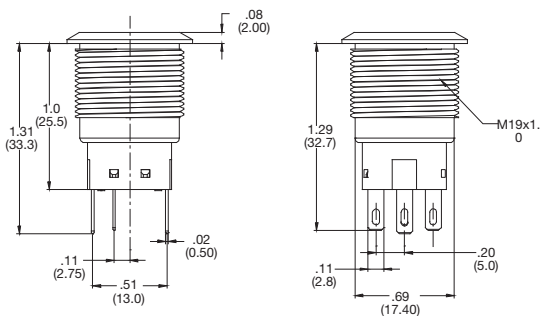


ATP19 Series Anti-Vandal Sealed Pushbutton Switch

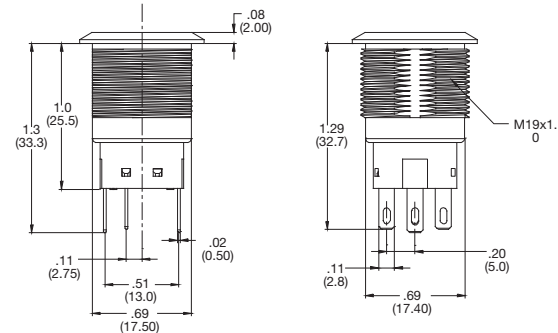
STANDARD VIEW

Pushbutton
A

ROUND BUSHING

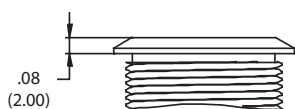


DOUBLE-D BUSHING

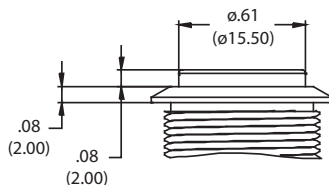


ACTUATOR STYLE

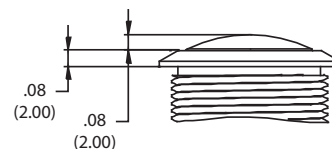
S STANDARD



R RAISED

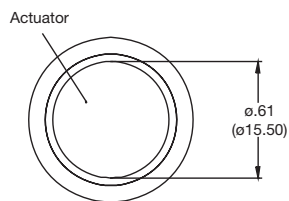


D DOME

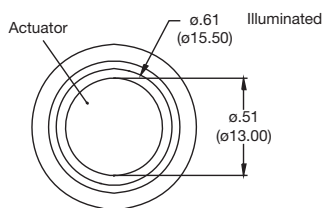


ACTUATOR INDICATOR

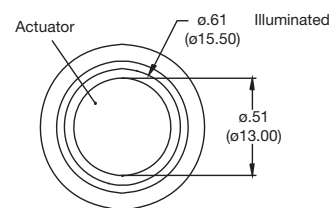
L0 WITHOUT LED



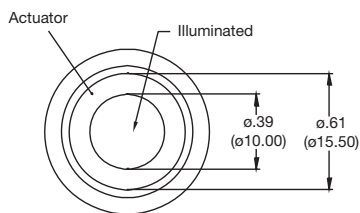
L1 FIX RING



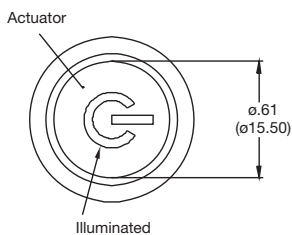
L3 MOVING RING



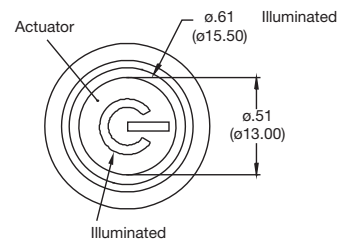
L2 SPOT



L4 POWER LOGO



L5 POWER & MOVING RING



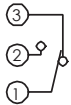
ATP19 Series Anti-Vandal Sealed Pushbutton Switch



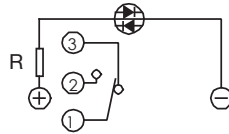
A
Pushbutton

CIRCUIT

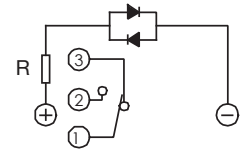
SPDT



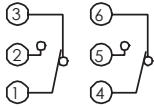
SPDT - SINGLE COLOR LED



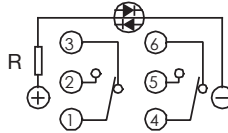
SPDT - DUAL COLOR LED



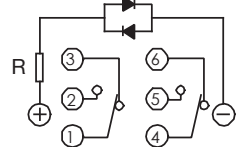
DPDT



DPDT - SINGLE COLOR LED

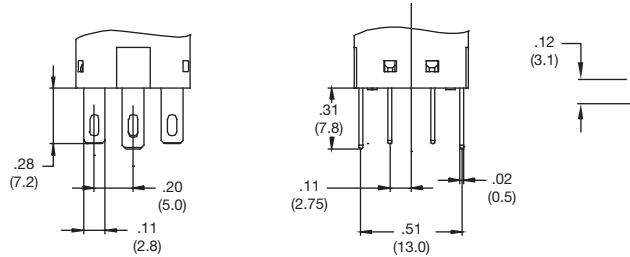


DPDT - DUAL COLOR LED

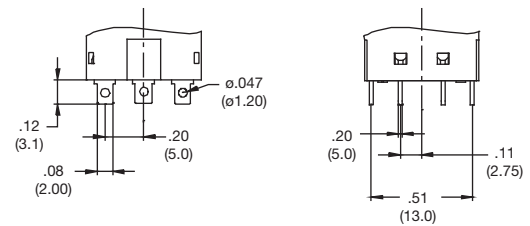


TERMINATION

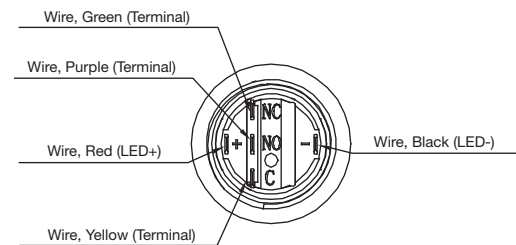
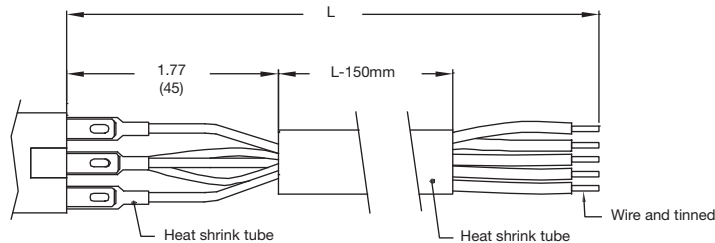
03 SOLDERLUG



04 SHORT SOLDER LUG



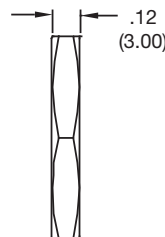
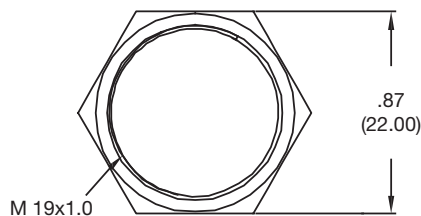
W1 OR W2 WIRE LEAD



HARDWARE

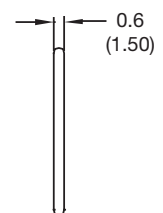
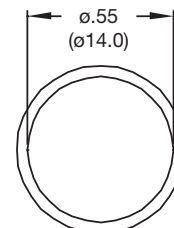
HEX NUT

Order PN: ATP19-HN



O RING

Order PN: ATP19-OR



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

[ATP19SL1303M0DA04Q](#) [ATP19-SL3-706-B0SA-03Q](#) [ATP19SL46A2M0SE03Q](#) [ATP19SL3206B0SA03Q](#)
[ATP19SL3303M0DA04Q](#) [ATP19SL1324B0SA03Q](#) [ATP19SL5603M0DE03Q](#) [ATP19SL1624B0SEW1Q](#)
[ATP19SL0000B0SA03Q](#) [ATP19SL2612B0DE03Q](#) [ATP19SL2612B0SE03Q](#) [ATP19SL2624B0DE03Q](#)
[ATP19SL26A2B0DE03Q](#) [ATPS19SL0000M2SA04G](#) [ATPS19SL1524M0SA04G](#) [ATPS19SL5506M2SA04G](#)
[ATPS19SL5624M0SA04G](#) [ATP19SL0000B0DA03Q](#) [ATP19SL1612B0SA03Q](#) [ATP19SL1624B0SA03Q](#)
[ATP19SL1624B0SE03Q](#) [ATP19SL16A1B0SEW2G](#) [ATP19SL16A2B0SEW2G](#) [ATP19SL4724M0DE03Q](#)
[ATP19SL4A06M0SA04Q](#) [ATP19SL4B24M0SAW1Q](#) [ATP19SL4H03M0SAW1Q](#) [ATP19SL5612M3SE03Q](#)
[ATP19SL0000B0SAW1G](#) [ATP19SL42A2M0DE03Q](#) [ATP19SL4603M0SE03Q](#) [ATP19SL4612M0SE03Q](#)
[ATP19SL4612M3SA03Q](#) [ATP19SL46A2M0DE03Q](#) [ATP19SL4703M0SA03Q](#) [ATP19SL3712B0SAW1Q](#)
[ATP19SL3712B3DE03Q](#) [ATP19SL3712B3SAW1Q](#) [ATP19SL3724B0SA03Q](#) [ATP19SL37A2B0DE03Q](#)
[ATP19SL4212M0DA03Q](#) [ATP19SL2A06B0DE04Q](#) [ATP19SL2A06B0SE04Q](#) [ATP19SL32A2B0DEW1Q](#)
[ATP19SL3512B3SA03Q](#) [ATP19SL3612B0SE03Q](#) [ATP19SL3624B0SEW1Q](#) [ATP19SL1703B0SAW1Q](#)
[ATP19SL1712B0SA03Q](#) [ATP19SL1724B0SA03Q](#) [ATP19SL1A12B0SA03Q](#) [ATP19SL1B06B0SAW1Q](#)
[ATP19SL1B24B0SAW1Q](#) [ATPS19SL1624M0SA04G](#) [ATPS19SL1703M0SA04G](#)