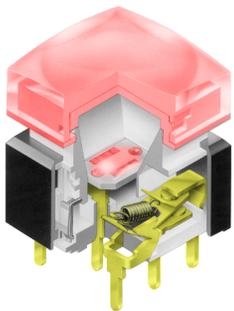


Series UB2 Illuminated Pushbuttons with Alternating Legends

Features & Benefits

- Super bright bicolor LED delivers brilliant uniform illumination in red/green or amber/blue
- Standard alternating legend pairs (custom legends also available), and choice of sculptured or flat caps
- Creative panel flexibility with square switch body style in PCB or snap-in mounting types
- Minimal behind panel dimension for snap-in mounting in cramped spaces
- Sensitive actuation with audible feedback facilitated by snap-acting contact mechanism; quick-make, quick-break feature limits arcing while lengthening electrical life



- Latchdown mechanism, independent of switching mechanism, gives visible, tactile indication of circuit status
- Solder lug or straight PC terminals are epoxy sealed, prohibiting entry of flux, solvents or contaminants
- Efficient and economical panel design with compact body and height of only .729" (18.5mm) to top of cap
- Momentary and alternate action circuits available in same type miniature switch body
- Housing/bezel and base qualify for UL94V-0 flammability standards for safety
- UL and cULus markings may be ordered on switches, based on model and rating

General Specifications

Electrical Capacity (Resistive Load): Power Level (silver): 5A @ 125/250V AC or 5A @ 30V DC
 Logic Level (gold): 0.4VA maximum @ 28V AC/DC maximum
 (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)

Contact Resistance: 50 milliohms maximum for silver; 100 milliohms maximum for gold

Insulation Resistance: 200 megohms minimum @ 500V DC

Dielectric Strength: 1,000V AC minimum between contacts for 1 minute minimum
 1,500V AC minimum between contacts & case for 1 minute minimum

Mechanical Life: 1,000,000 operations minimum for momentary
 200,000 operations minimum for alternate action

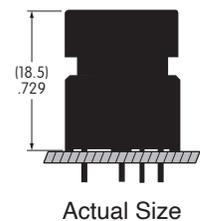
Electrical Life: 10,000 operations minimum for silver; 200,000 operations minimum for gold

Nominal Operating Force: Single Pole: 1.90N; Double Pole: 2.55N

Contact Timing: Break before make

Travel: Pretravel .067" (1.7mm); Overtravel .024" (0.6mm); Total Travel .091" (2.3mm)

Operating Temperature Range: -25°C ~ +50°C (-13°F ~ +122°F)



Applications

- Instrumentation
- Medical Equipment
- Test & Measurement
- Digital Picking System
- Industrial Automation
- Military
- Broadcast
- Security
- Telecommunication
- Stage Lighting Control

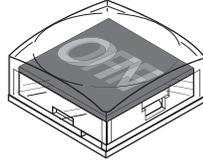
Alternating Legend Caps

AT3069J Sculptured Cap with Alternating Legend

15.0mm Square

Clear Lens
Alternating Legend Filter
Red/Green or Amber/Blue

Material: Polycarbonate Finish: Glossy

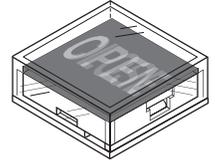


AT3070J Flat Cap with Alternating Legend

15.0mm Square

Clear Lens
Alternating Legend Filter
Red/Green or Amber/Blue

Material: Polycarbonate Finish: Glossy



Alternating Legend Pairs



Cap illumination is alternating Green/Red or Blue/Amber; legend text is black. Contact factory for other Alternating Legends.
Legend illustrations are approximate representations of the actual characters on the filters.

Optional Accessories

Protective Guard for Snap-in Model

AT4141 Protective Guard

Opens 90°
Closes Manually

Materials:
Cover: Clear Polycarbonate
Base: Black GFR Polyamide



Spring Loaded Protective Guard for Snap-in Mounting of PCB Model

AT4170 Protective Guard

Opens 180°
Closes Automatically

Materials:
Cover: Clear Polycarbonate
Base: Black Polyamide
Coil Spring: Stainless Steel



Spring Loaded Protective Guard for Snap-in Model

AT4142 Protective Guard

Opens 180°
Closes Automatically

Materials:
Cover: Clear Polycarbonate
Base: Black GFR Polyamide
Coil Spring: Stainless Steel



Square Dust Cover

AT4145 Dust Cover

Not for use with Barriers

Materials:
Lid: Clear PVC
Operating Temperature Range:
0°C ~ 70°C (32°F ~ 158°F)
Gasket: Polyethylene



AT4143 Barrier for End Position for Snap-in Mount



Material: Polyamide

AT4144 Barrier for Center Position for Snap-in Mount



Barrier Installation

End Position Center Position

