

Distinctive Characteristics

Combination bezel-barrier is an integral part of the switch and prevents accidental actuation.

Unique thermoplastic elastomer seal inside caps plus rolled sleeve of nitrile butadiene rubber at joining of housing and inner case, all for added protection to interior mechanism.

Dust and oil tight as well as splashproof panel seal models qualify to IP65 of IEC60529 Standards (similar to NEMA 4 and 13). Panel seal models provided with exterior o-ring.

Distinctive design of snap-action contacts for shock resistance, long life, and sensitive actuation.

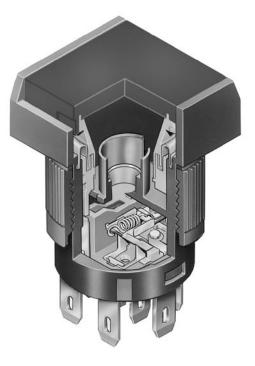
High density design to give behind panel depth of less than one inch.

Terminals are epoxy sealed to lock out flux, dust, solvents, and other contaminants.

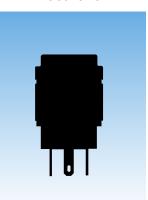
Latchdown for indication of circuit status, plus audible, tactile feedback with smooth, responsive operation.

Illuminated models available and shown in the Illuminated Pushbutton section.

Matching indicators available and shown at the end of Section M.



Actual Size





General Specifications

Electrical Capacity (Resistive Load)

ower Level (silver):	3A @ 125V AC or 3A @ 250V AC or 3A @ 30V DC
Logic Level (gold):	0.4VA maximum @ 28V AC/DC maximum
	(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)
	Note: Find additional explanation of operating range in Supplement section.
Logic Level (gold):	(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)

Other Ratinas

50 milliohms maximum for silver; 100 milliohms maximum for gold
200 megohms minimum @ 500V DC
1,000V AC minimum between contacts for 1 minute minimum;
1,500V AC minimum between contacts & case for 1 minute minimum
1,000,000 operations minimum for momentary circuit
200,000 operations minimum for maintained circuit
100,000 operations minimum
Single pole: 1.47N for nonsealed; 1.67N for sealed
Double pole: 2.75N for nonsealed; 2.94N for sealed
Nonshorting (break-before-make)
Pretravel .059" (1.5mm); Overtravel .059" (1.5mm); Total Travel .118" (3.0mm)

Materials & Finishes

Housing/Bezel:	Glass fiber reinforced polyamide (UL94V-0)
Snap-in Frame:	Stainless steel
Base:	Diallyl phthalate resin (UL94V-0)
Movable Contactor:	Phosphor bronze with silver or gold plating
Movable Contacts:	Silver alloy with silver plating or brass with gold plating
Stationary Contacts:	Silver alloy or copper with gold plating
Terminals:	Phosphor bronze with tin plating

Environmental Data

Operating Temp Range:	–25°C through +70°C (–13°F through +158°F)
Humidity:	90 ~ 95% humidity for 96 hours @ 40°C (104°F)
Vibration:	10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning
	in 1 minute; 3 right angled directions for 2 hours
Shock:	50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)
Sealing:	IP65 of IEC60529 standard for panel seal models
5	

Installation

Mounting Torque: Soldering Time & Temperature:

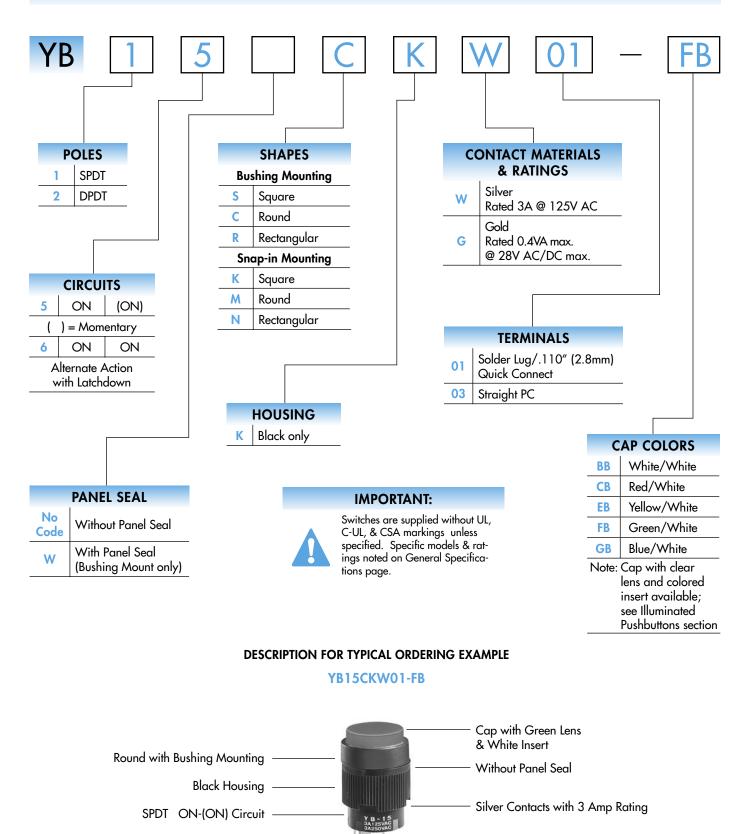
0.80Nm (7.08 lb•in) maximum Manual Soldering: See Profile A in Supplement section.

Standards & Certifications

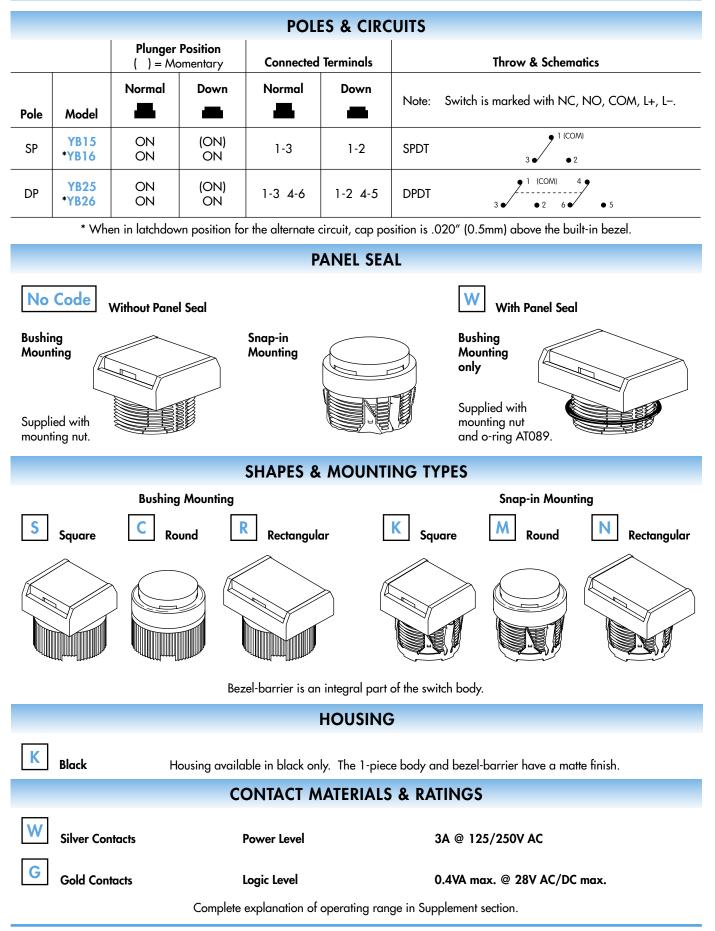
Stanad	ards & Certifications	
	Flammability Standards:	UL94V-0 housing & base
R	UL & C-UL Recognized:	All solder lug models recognized at 3A @ 125/250V AC or 0.4VA @ 28V AC/DC maximum;
0		UL File No. WOYR2.E44145; add "/U" to end of part number to order UL mark on switch;
C R		C-UL File No. WOYR8.E44145; add "/C-UL" to end of part number to order C-UL mark on switch.
	CSA Certified:	All solder lug models certified at 3A @ 125/250V AC or 0.4VA @ 28V AC/DC maximum;
SP:		CSA File Nos. 023535-0-000; add "/C" to end of part number to order CSA mark on switch.



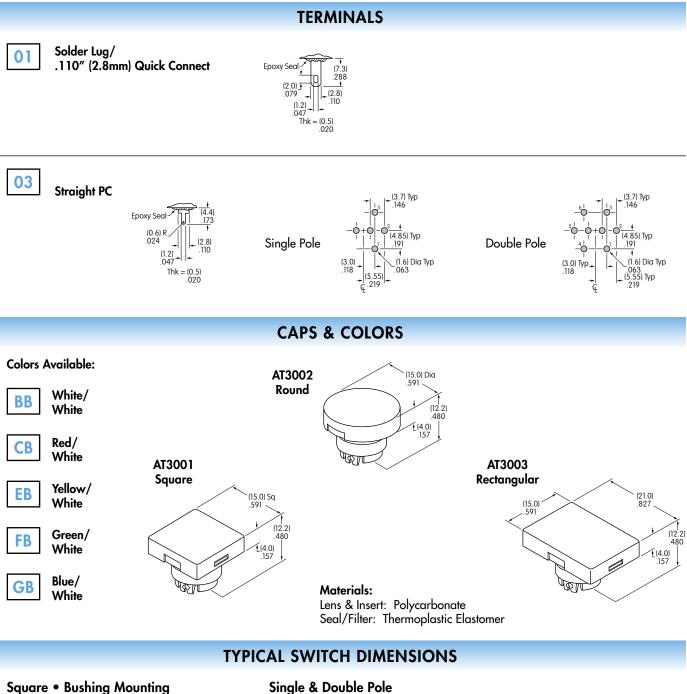








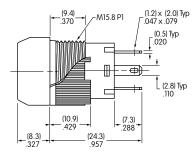


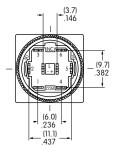




(15.0) Sq .591 _ (18.0) Sq .709

Single & Double Pole





YB15SKW01-CB

Single pole models do not have terminals 4, 5, & 6.

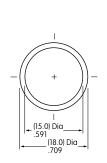


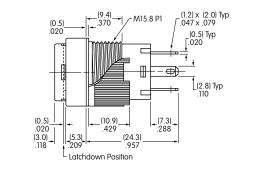
TYPICAL SWITCH DIMENSIONS

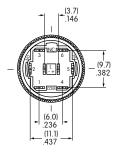
Single & Double Pole



Round • Panel Seal

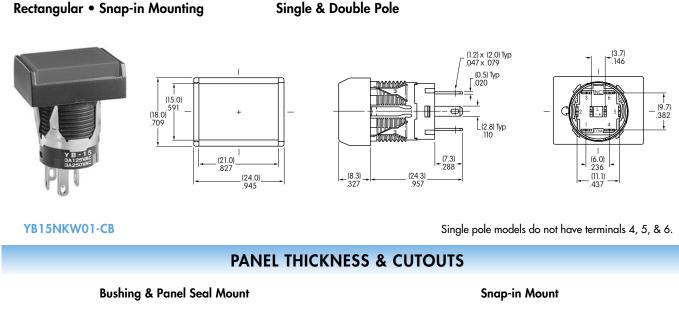


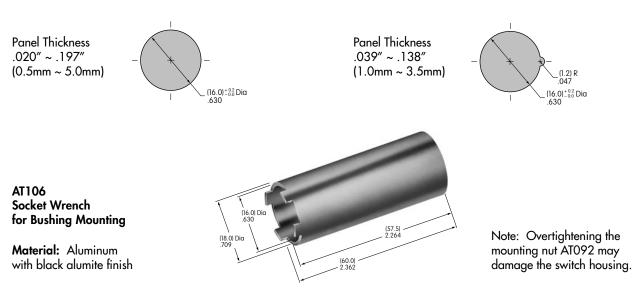




Single pole models do not have terminals 4, 5, & 6.

YB25WCKW01-EB



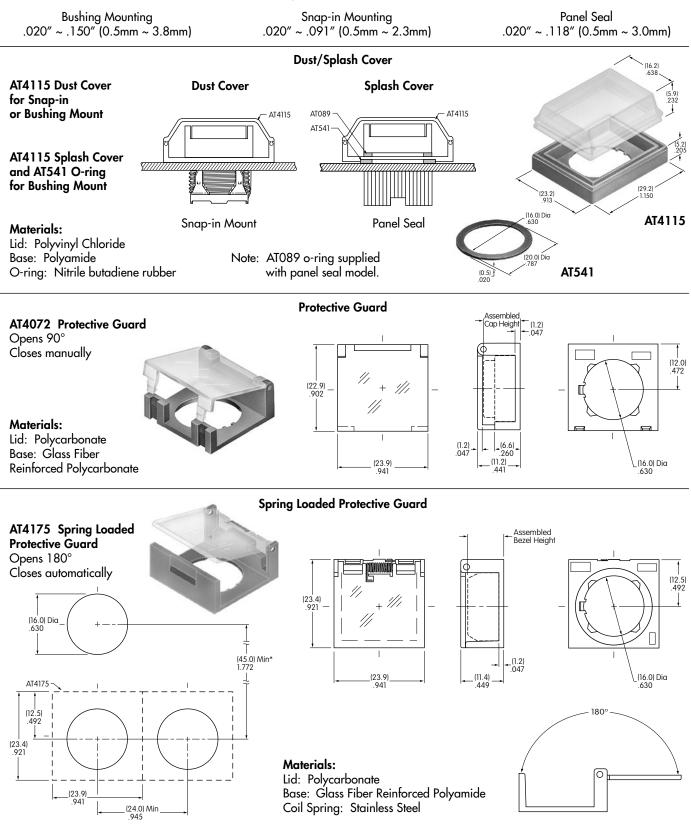




OPTIONAL ACCESSORIES

Dust Covers and Protective Guards reduce depth of switch behind panel by .047" (1.2mm).

Panel Thickness Range with Dust Cover or Protective Guards:





LEGENDS



Easily create and submit your own legends using our new on-line Legend Maker.

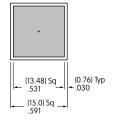
Visit www.nkkswitches.com

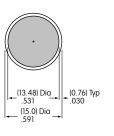
For other legend support options, customers may either contact the factory and request the YB Legend Packet, or utilize the general information and basic specifications presented below.

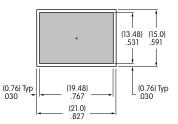
Suggested Printable Area for YB Lens

Recommended Methods: Laser Etch on clear lens; Screen Print or Pad Print on lens. Epoxy based ink is recommended.









Shaded Areas Are Printable Areas

Additional Methods

Additional methods for legends are engraving the lens and laser printing on film inserts. Maximum depth for engraving is .012" (0.3 mm) on the cap lens. Enamel paint is recommended to fill the engraved area.