

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.

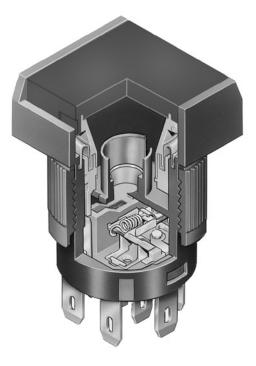
High density design to give behind panel depth of less than one inch.

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

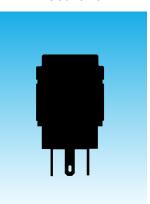
Latchdown for indication of circuit status, plus audible, tactile feedback with smooth, responsive operation.

Illuminated models available and shown in the Illuminated Pushbutton section.

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









General Specifications

Electrical Capacity (Resistive Load)

Power Level (silver):	3A @ 125V AC or 3A @ 250V AC or 3A @ 30V DC	
Logic Level (gold):	d): 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.	

Other Ratings

	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 circuit		
		200,000 operations minimum for maintained circuit		
	Electrical Life:	100,000 operations minimum		
Nor	minal Operating Force:	Single pole: 1.47N for nonsealed; 1.67N for sealed		
		Double pole: 2.75N for nonsealed; 2.94N for sealed		
	Contact Timing:	Nonshorting (break-before-make)		
	Travel:	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:	ationary 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:	
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Installation

Mounting Torque: Soldering Time & Temperature: 0.785Nm (6.95 lb•in) maximum Manual Soldering: See Profile A in Supplement section.

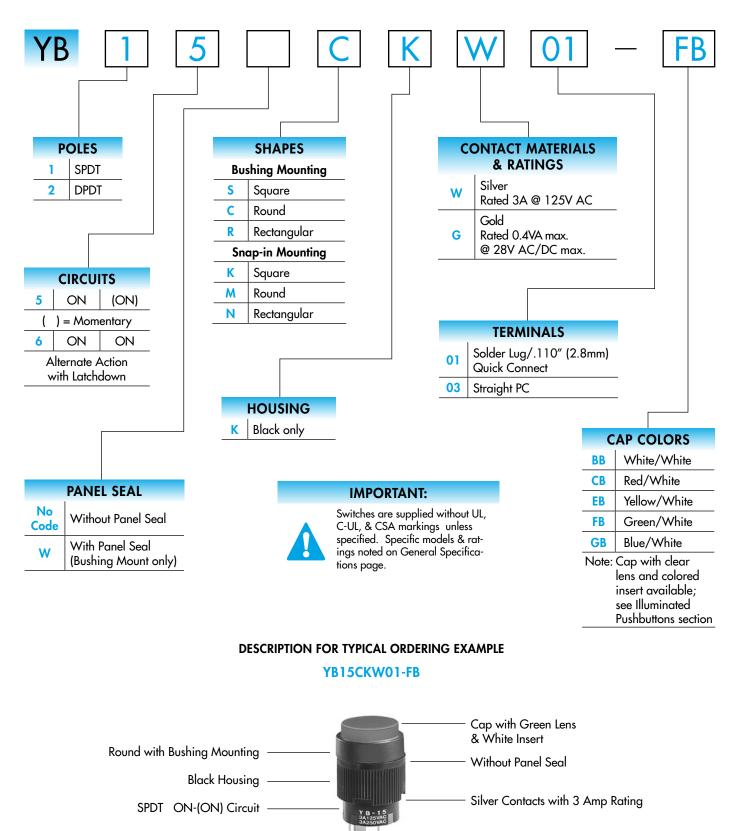
Standards & Certifications

Juna		
	Flammability Standards:	UL94V-0 housing & base
R	UL & C-UL Recognized:	All solder lug models recognized at 3A @ 125/250V
<u> </u>		UL File No. WOYR2.E44145; add "/U" to end of par
c _e RJ		C-UL File No. WOYR8.E44145; add "/C-UL" to end of
	CSA Certified:	All solder lug models certified at 3A @ 125/250V AC
SP:		CSA File Nos. 023535-0-000; add "/C" to end of pa

AC or 0.4VA @ 28V AC/DC maximum; irt number to order UL mark on switch; of part number to order C-UL mark on switch. C or 0.4VA @ 28V AC/DC maximum; CSA File Nos. 023535-0-000; add "/C" to end of part number to order CSA mark on switch.

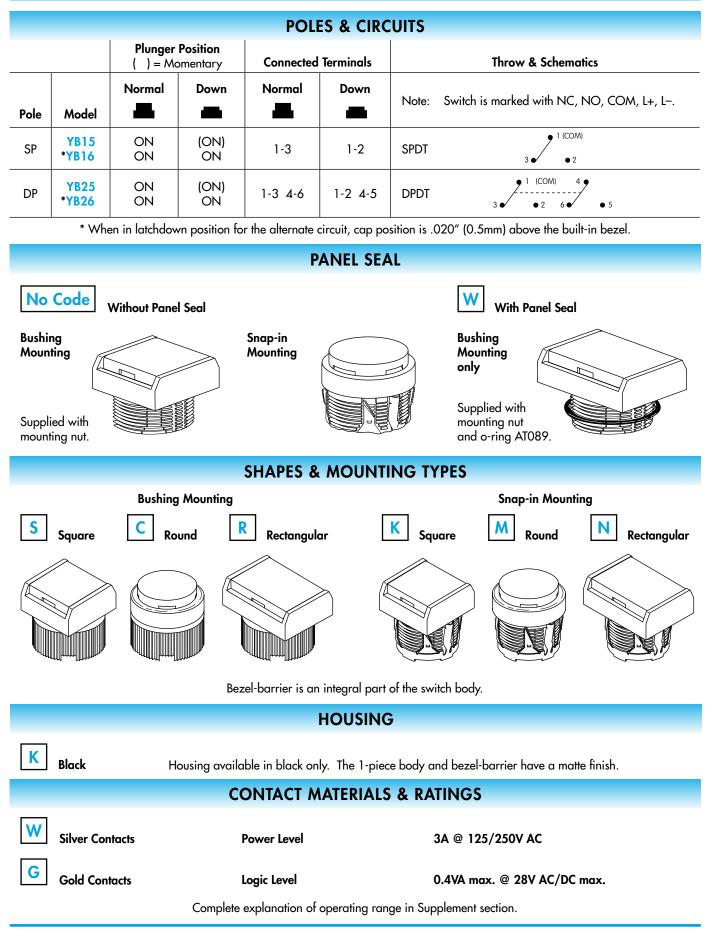


TYPICAL SWITCH ORDERING EXAMPLE

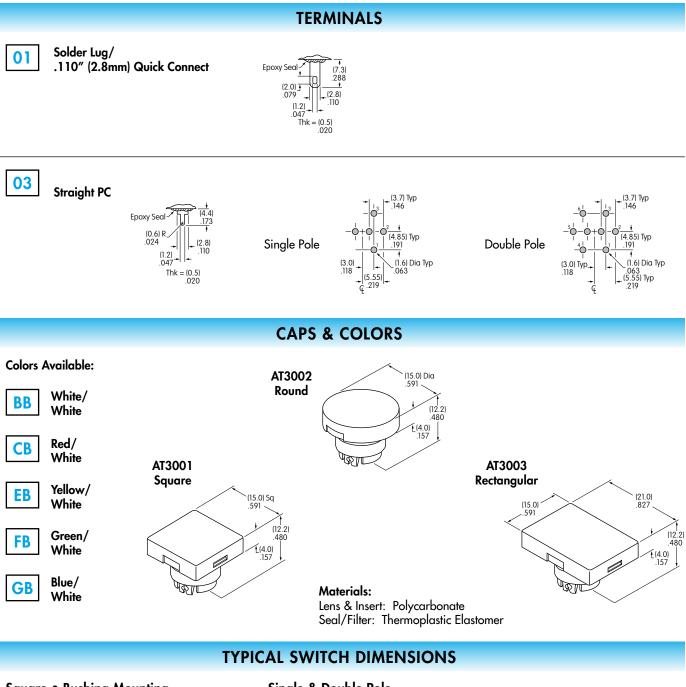


Solder Lug/.110" (2.8mm) Quick Connect Terminals





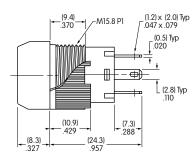


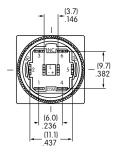


Square • Bushing Mounting



Single & Double Pole





YB15SKW01-CB

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

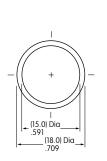


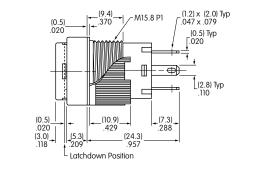
TYPICAL SWITCH DIMENSIONS

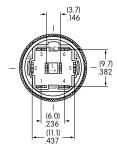
Round • Panel Seal

Single & Double Pole







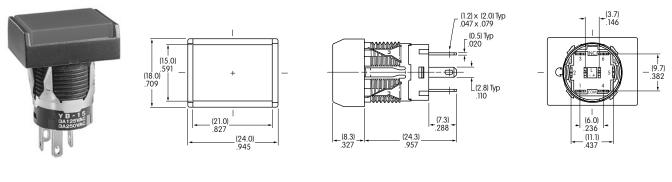


Single pole models do not have terminals 4, 5, & 6.



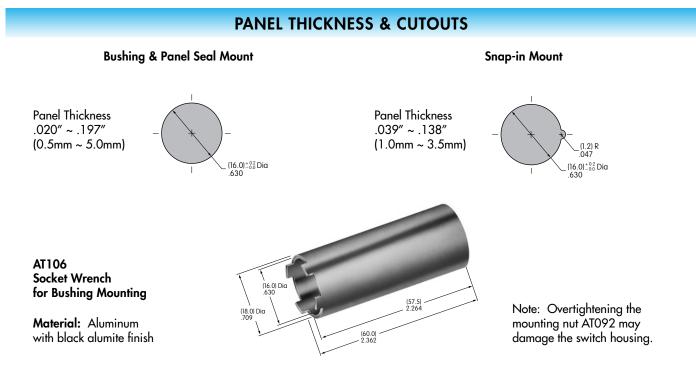
Rectangular • Snap-in Mounting

Single & Double Pole



YB15NKW01-CB

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

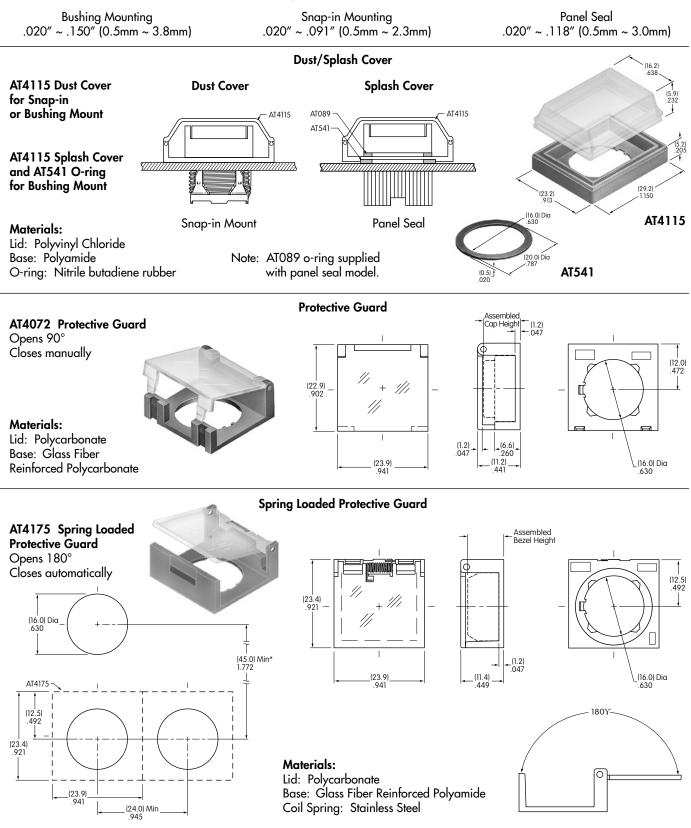




OPTIONAL ACCESSORIES

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.

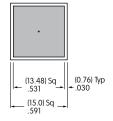
Visit www.nkkswitches.com

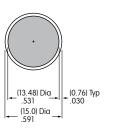
For other legend support options, customers may either contact the factory and request the YB Legend Packet, or utilize the general information and basic specifications presented below.

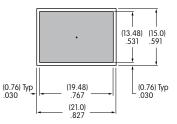
Suggested Printable Area for YB Lens

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.