General Specifications

Electrical Capacity (Resistive Load)

Power Level (silver): 0.1A maximum @ 30V AC/DC

Other Ratings

Contact Resistance:	50 milliohms maximum
Insulation Resistance:	100 megohms minimum @ 500V DC
Dielectric Strength:	500V AC minimum for 1 minute minimum
Mechanical Life:	100,000 operations minimum
Electrical Life:	50,000 operations minimum
Nominal Operating Force:	3.43N
Contact Timing:	Nonshorting (break before make)
Travel:	Pretravel .087" (2.2mm); Overtravel .031" (0.8mm); Total Travel .118" (3.0mm)

Materials & Finishes

Housing:	Glass fiber reinforced polyamide
Base:	Glass fiber reinforced polyamide
Movable Contact:	Phosphor bronze with silver plating
Stationary Contacts:	Phosphor bronze with silver plating
Common Terminal:	Phosphor bronze with silver plating
End Terminals:	Phosphor bronze with silver plating
Lamp Terminals:	Phosphor bronze with silver plating
•	

Environmental Data

Operating Temperature Range:	–25°C through +50°C (–13°F through +122°F) for Illuminated
	–25°C through +70°C (–13°F through +158°F) for Nonilluminated
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)

Installation

Mounting Torque: **Cap Installation Force:** Soldering Time & Temperature: 0.49Nm (4.34 lb•in) maximum for round mounting nut 9.8N (2.2 lbf) maximum downward force on cap Manual Soldering: See Profile A in Supplement section.

Standards & Certifications

UL:

File No. E44145 All models recognized at 0.1A @ 30V AC/DC. Add "/U" to end of part number to order UL mark on switch. Add "/CUL" to end of part number to order cULus mark on switch.

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Rotaries



D12



Toggles

Rockers

Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides

Factiles

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Distinctive Characteristics

Full face and spot illumination available. Front panel relamping.

Choice of super bright LEDs in white, green, and blue in addition to bright red, amber, and green LEDs.

Compact front panel design with 9mm square or round bezel options.

Rear panel threaded mounting. Behind panel depth of less than one inch. 8mm body diameter fits common size panel cutout.

Latchdown feature gives indication of circuit status. Audible and tactile feedback with smooth and responsive operation.

Dual, sliding contacts with self-cleaning action provide contact stability, high reliability, and increased operating life.

Solder lug terminals have spacing of .100" (2.54mm) for choice of mounting.

Longer normally closed terminal facilitates wiring and soldering.

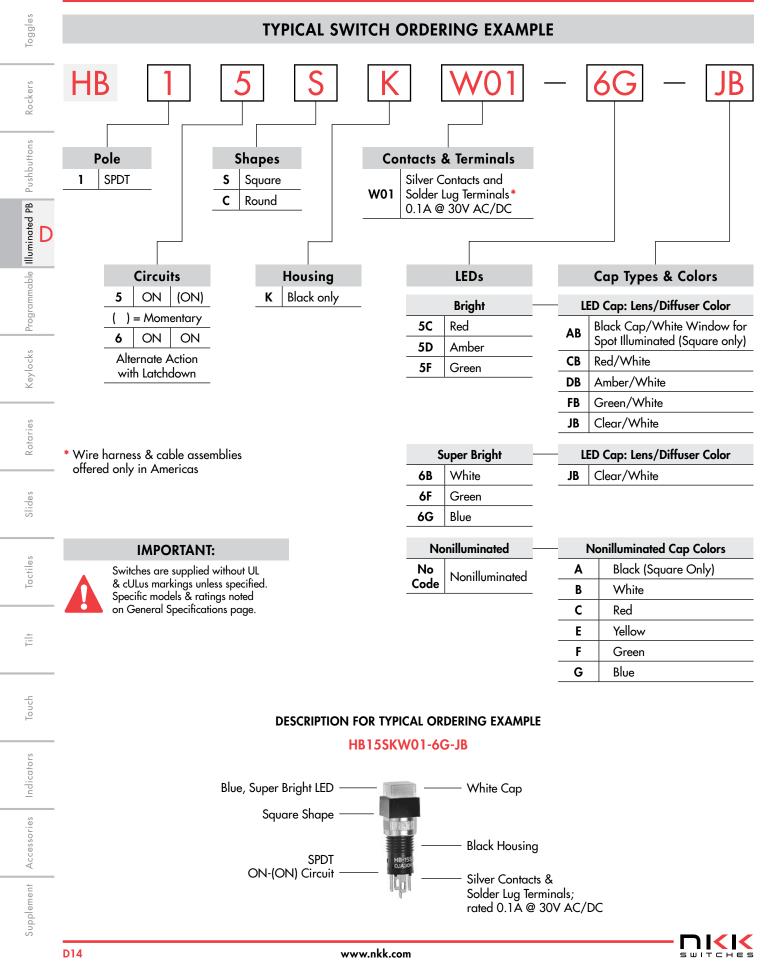
Molded-in terminals lock out flux, dust, and other contaminants.

Matching indicators available.



Supplement Accessories Indicators Touch





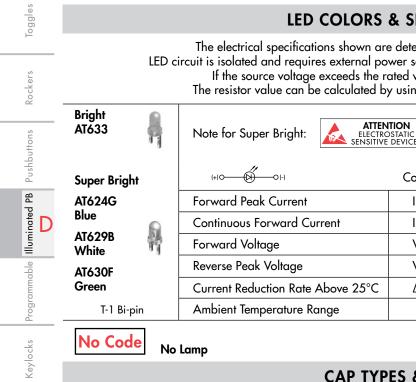


General Gales

Programmable

Touch

Tilt



LED COLORS & SPECIFICATIONS

The electrical specifications shown are determined at a basic temperature of 25°C.

LED circuit is isolated and requires external power source. Single element LED is colored in OFF state.

If the source voltage exceeds the rated voltage, a ballast resistor is required.

The resistor value can be calculated by using the formula in the Supplement section.

Bright ATTEN AT633 AL Note for Super Bright ATTEN		ATTENTION			Bright		Super Bright				
Ц	Note for Super Bright:	ELECTROSTATIC SENSITIVE DEVICES	5C	5D	5F	6B	6F	6G			
Super Bright	(+) O (-)	Color	Red	Amber	Green	White	Green	Blue	Unit		
AT624G	Forward Peak Current		30	30	25	30	30	30	mA		
	Continuous Forward Current		20	20	20	20	20	20	mA		
AT629B 🖣	Forward Voltage	V _F	1.85	2.0	2.2	3.6	3.5	3.6	V		
AT630F	Reverse Peak Voltage		5	5	5	5	5	5	V		
Green	Current Reduction Rate Abo	ove 25°C ΔI _F	0.40	0.42	0.38	0.50	0.50	0.50	mA/°C		
T-1 Bi-pin	Ambient Temperature Range	e	−25° ~ +50°C			−25° ~ +50°C					
No Code No Lamp											
CAP TYPES & COLORS											
Color Codes:	A Black B White C	Red D Amb	oer E	Yellow	FG	reen	G Blue	e J	Clear		
Cap Colors Available		Colored Cap for B	right LEDs				(7.4) Sq 291	.01	8)		
. Plack Can y		Square only		۸T	1052		+ (4.6) 181	$\langle \rangle$	_(1.2) .047		
AB Black Cap with Translucent Square only Material: Polycarbonate Finish: Matte											
Lens/Diffuser Colors Available:	AT4166 Square		4167 und	>(7.4) Dio	ı			anspare ns	nt Colored		
CB Red/White			291 (4,5) 177				Translucent White Diffuser				
DB Amber/Whi	DB Amber/White				14.61						
FB Green/Whit	te Materia	l: Polycarbonate	ate Finish: Glossy				Colored LED AT633				
Clear Lens/			right & Super Bright LEDs				Tran Lens		nt Clear		
JD White Diffus	ser AT4031 Square		4032 ound	(7.4) D .291	ia 🔨			anslucen /hite Diff			
Material: Polycarbon Finish: Glossy	ate + (4.8) 189	(4.5) .177 1	(4.8) 189	14.5 177 177)		A A	olored Ll [624, A] [630, or	629,		
		Nonilluminated	Caps								
Cap Colors Available Black (Square Onl B White	y) C Red	F Green G Blue	AT4(Squ		(7.4) Sq .291, (4.5) .177		T4036 Round		2.4) Dia 291 14.5) .177		

Rotaries

Slides

Tactiles

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Touch

Supplement Accessories Indicators

