# General Specifications

#### **Electrical Capacity (Resistive Load)**

Low/Logic Level:

50mA @ 24V DC maximum for Standard Operating Force models 125mA @ 24V DC maximum for High Operating Force models

#### **Other Ratings**

	Standard Operating Force	High Operating Force
Contact Resistance:	50 milliohms maximum	50 milliohms maximum
Insulation Resistance:	500 megohms minimum @ 250V DC 500 m	egohms minimum @ 250V DC
Dielectric Strength:	250V AC minimum for 1 minute minimum	250V AC minimum for 1 minute minimum
Mechanical Life:	5,000,000 operations minimum	1,000,000 operations minimum
Electrical Life:	5,000,000 operations minimum	1,000,000 operations minimum
Nominal Operating Force:	1.76N for JB15L	2.65N for JB15HL & JB15HB
Total Travel:	.010″ (.254mm)	.012″ (.300mm)

#### **Materials & Finishes**

Polyacetal for Short; Glass fiber reinforced PBT for Extended
Glass fiber reinforced polyamide (UL94V-0)
Nitrile butadiene rubber
Glass fiber reinforced PBT (UL94V-0)
Beryllium copper with silver plating
Brass with silver plating
Brass with silver plating

#### **Environmental Data**

J	Operating Temperature Range: Humidity: Vibration: Shock:	-25°C through +70°C (-13°F through +158°F) 90 ~ 95% humidity for 240 hours @ 40°C (104°F) 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 50G (490m/s <sup>2</sup> ) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)
	PCB Processing Soldering: Cleaning:	Wave Soldering recommended. See Profile A in Supplement section. Manual Soldering: See Profile A in Supplement section. Automated cleaning. See Cleaning specifications in Supplement section.
	Standards & Certifications Flammability Standards:	UL94V-0 rated case & base The JB Series tactiles have not been tested for UL recognition or CSA certification. These switches are designed for use in a low-voltage, low-current, logic-level circuit. When used as intended in a logic-level circuit, the results do not produce hazardous energy.



Toggles

Rockers

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