General Specifications

Electrical Capacity (Resistive Load)

Power Level:

10A @ 125/250V AC 6A @ 125/250V AC (UL/CSA) 5A (3A) @ 125/250V AC (VDE)

Other Ratings

Contact Resistance:	10 milliohms maximum				
Insulation Resistance:					
Dielectric Strength:	2,000V AC minimum between contacts for 1 minute minimum;				
5 1 1 1 5 5	4,000V AC minimum between contacts & case for 1 minute minimum				
Mechanical Life:	30,000 operations minimum				
Electrical Life:	10,000 operations minimum				
Nominal Operating Force:					
Angle of Throw:	30°				

Materials & Finishes

Rocker:	Polyphenylene ether (UL94V-0)
Housing/Case:	Polyamide (UL94V-0)
Movable Contactor:	Copper with silver plating
Movable Contacts:	Silver
Stationary Contacts:	Silver
End Terminals:	Brass with silver plating
Common Terminals:	Copper with silver plating
Lamp Terminals:	Phosphor bronze with tin plating (illuminated models only)

Environmental Data

–25°C through +70°C (–13°F through +158°F) for nonilluminated models;
–25°C through +50°C (–13°F through +122°F) for illuminated models
90 ~ 95% humidity for 96 hours @ 40°C (104°F)
10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning
in 15 minutes; 3 right angled directions for 2 hours
50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)
Dust resistant inner seal

Installation

Soldering: Manual Soldering: See Profile A in Supplement section. **Cleaning:** These devices are not process sealed. Hand cleaning locally using alcohol based solution.

Standards & Certifications Flammabili

lity Standards:	UL94V-0 for rocker & housing/case
UL:	File No. E44145
	All JWS models recognized at 6A @ 125/250V AC
CSA:	File No. 023535_0_000
	All JWS models certified at 6A @ 125/250V AC
VDE:	License No. 119153
	All JWS models approved at 5A (3A) @ 125/250V AC



Rotaries

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Touch



Toggles

Rockers

Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides

Tactiles

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Touch

Supplement Accessories Indicators

Distinctive Characteristics

Rocker caps and housing available in a variety of colors.

Protective barrier available to prevent accidental actuation.

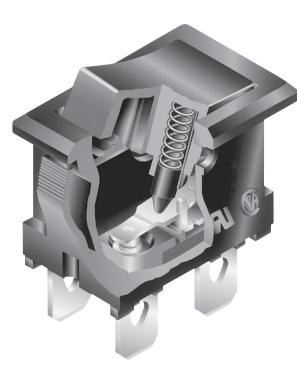
Constructed for dust resistance with interior cover of polyamide between actuator and contact area.

Easy, crisp actuation.

Small size well suited for telecommunication, measuring, automation, and consumer applications.

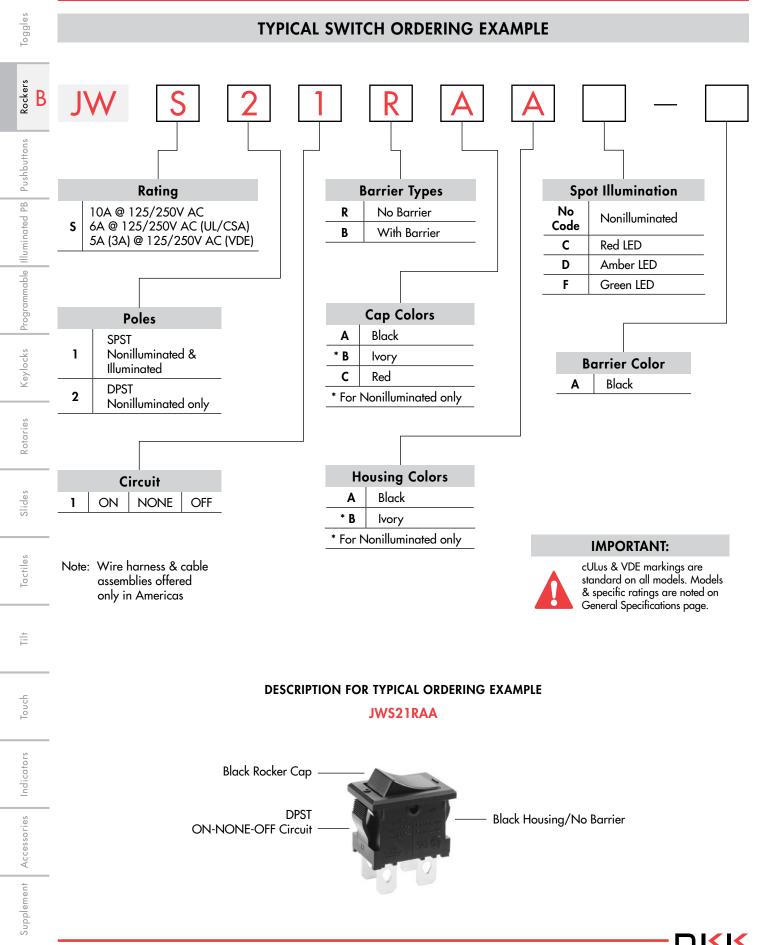
Terminals are molded in to lock out flux, dust, and other contaminants.

Outer case of heat resistant resin meets UL94V-0 flammability standard.





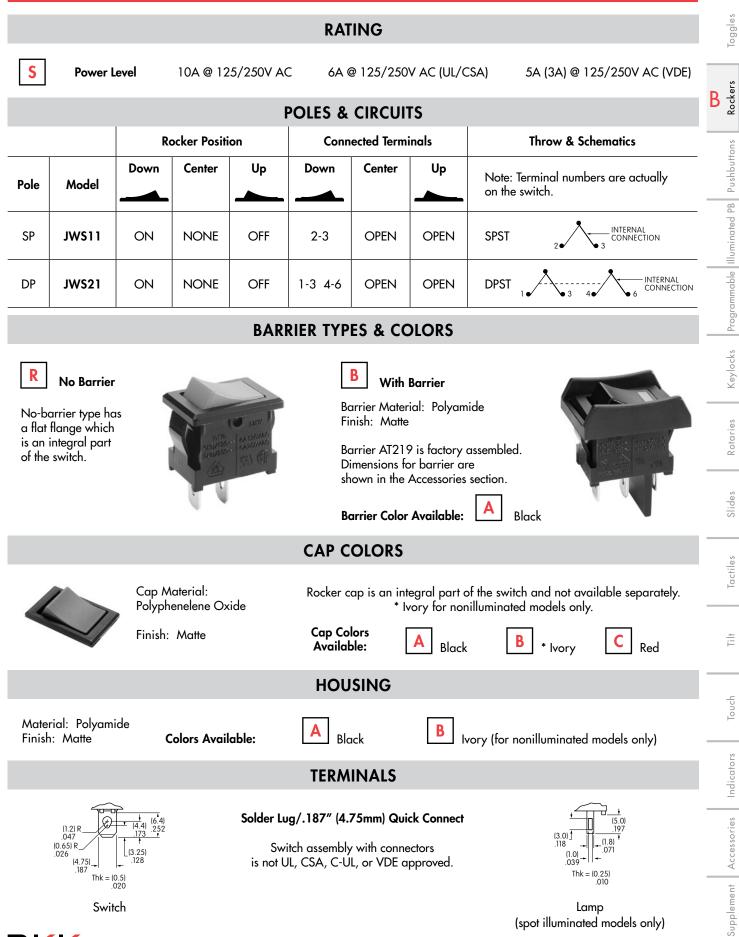




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Internationally Approved Rockers

Series JWS



Toggles

Rockers B

Programmable Illuminated PB Pushbuttons

Keylocks

Rotaries

Slides

Tactiles

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Touch

Indicators

Supplement Accessories

LED COLORS & SPECIFICATIONS FOR SPOT ILLUMINATED MODELS

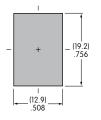
LEDs are supplied as an integral part of illuminated devices and are not available separately. LED polarity markings are on the bottom of the switch.

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

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.

(+) O O[-]		С	D	F		
	olor	Red	Amber	Green		
Forward Peak Current	I _{FM}	25mA	20mA	20mA		
Continuous Forward Current I _F		20mA	15mA	15mA		
Forward Voltage		2.0V	1.9V	1.95V		
Reverse Peak Voltage V		4V	5V	5V		
Current Reduction Rate Above 25°C		0.42mA/°C	0.27mA/°C	0.27mA/°C		
Ambient Temperature Range		−25°C ~ +50°C				

PANEL CUTOUT & PANEL THICKNESS RANGES



Panel Thickness Ranges:

Without Barrier: .030" ~ .079" (0.75mm ~ 2.0mm)

With Barrier: .024" ~ .059" (0.6mm ~ 1.5mm)

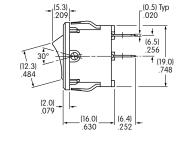
TYPICAL SWITCH DIMENSIONS

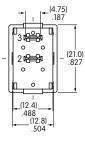
Single Pole

Nonilluminated • No Barrier



Part No 15.0) .591 .591 .0.2 .402 .0.2 .0.5 .501 .5

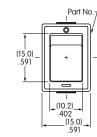




JWS11RCA

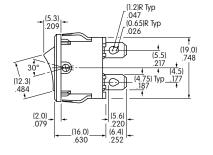
Nonilluminated • No Barrier



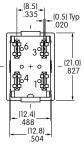


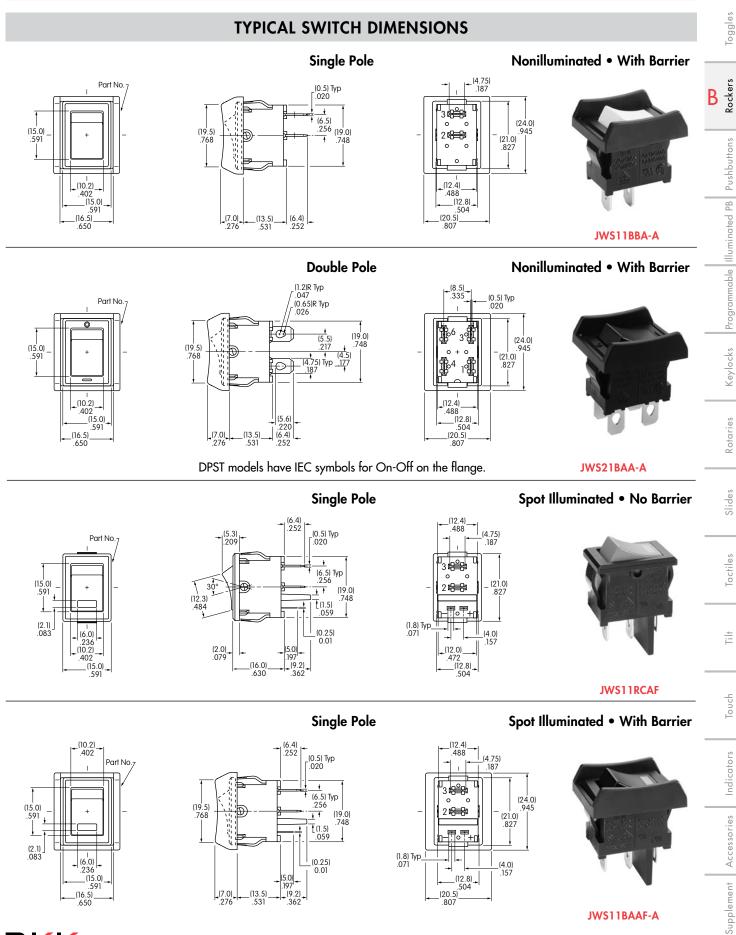
JWS21RAA

Double Pole



DPST models have IEC symbols for On-Off on the flange.







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