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:	500 megohms minimum @ 500V DC				
Dielectric Strength:	2,000V AC minimum between contacts for 1 minute minimum;				
-	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:	Single Pole 3.92N & Double Pole 5.39N				
Angle of Throw:	30°				

Materials & Finishes

Polyamide (UL94V-0)
Polyamide (UL94V-0)
Copper with silver plating
Silver
Silver
Brass with silver plating
Copper with silver plating
Phosphor bronze with tin plating (illuminated models only)

Environmental Data

Operating Temp Range:	–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			
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 15 minutes; 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:	Dust resistant inner seal			
Vibration: Shock:	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)			

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 Flammability Standards:

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



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Indicators



Toggles

B 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.

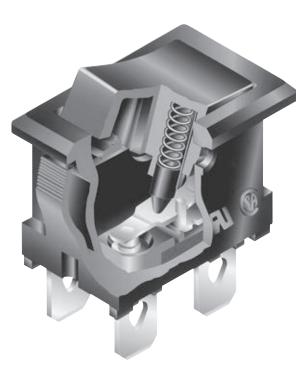
Constructed for dust resistance with interior cover of polyamide between actuator and contact area.

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.

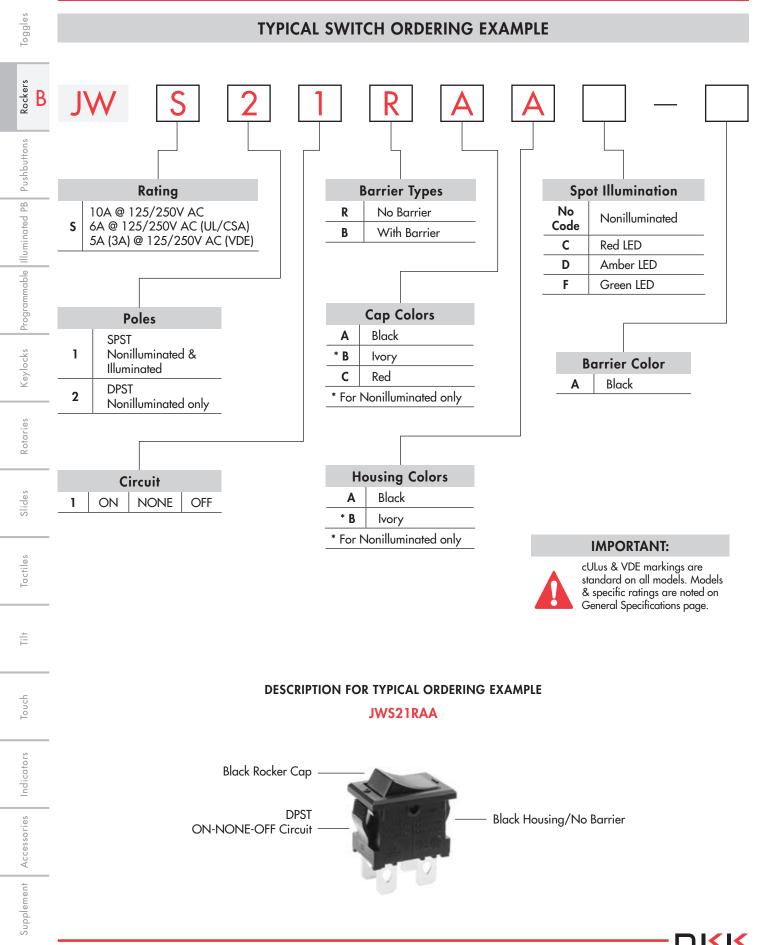
Outer case of heat resistant resin meets UL94V-0 flammability standard.





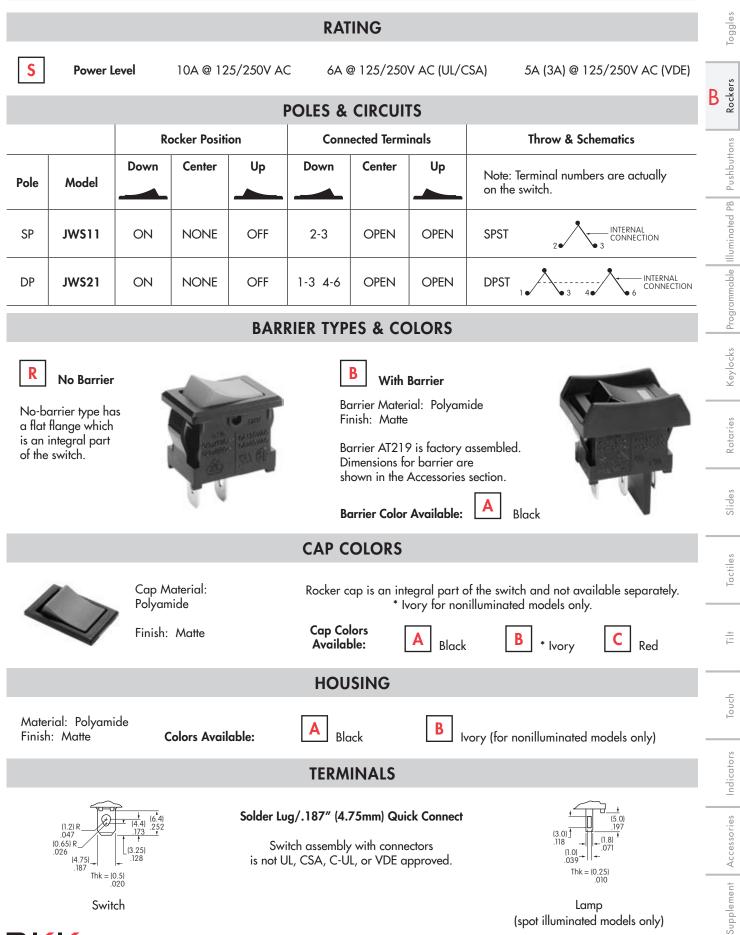
Actual Size





Internationally Approved Rockers

Series JWS



LED COLORS & SPECIFICATIONS FOR SPOT ILLUMINATED MODELS

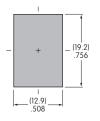
LEDs are supplied as an integral part of illuminated devices and are not available separately. LED polarity markings are on the bottom of the switch.

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.

(+)0-0(-)		С	D	F			
	Color	Red	Amber	Green			
Maximum Forward Current	I_{FM}	30mA	20mA	30mA			
Typical Forward Current	I _F	10mA	10mA	10mA			
Forward Voltage	$V_{\rm F}$	1.8V	2.0V	2.1V			
Maximum Reverse Voltage	$V_{\rm RM}$	5V	5V	5V			
Current Reduction Rate Above 25°C	ΔI _F	No Current Reduction Rate Within Specified Operating Temperature					
Ambient Temperature Range		−25°C ~ +50°C					

PANEL CUTOUT & PANEL THICKNESS RANGES



Panel Thickness Ranges:

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

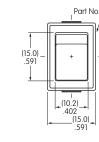
With Barrier: .024" ~ .059" (0.6mm ~ 1.5mm)

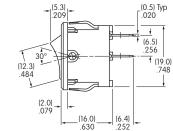
TYPICAL SWITCH DIMENSIONS

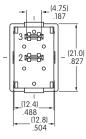
Single Pole

Nonilluminated • No Barrier





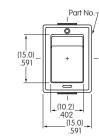




JWS11RCA

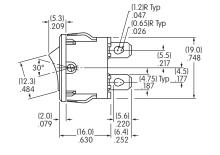
Nonilluminated • No Barrier



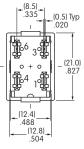


JWS21RAA

Double Pole



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



Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides

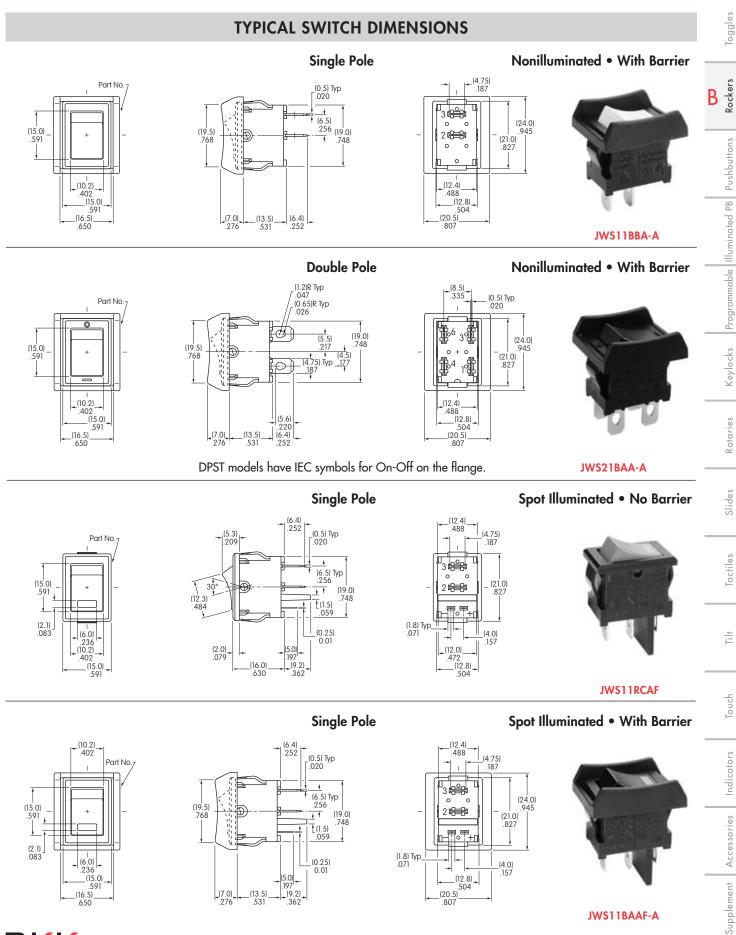
Tactiles

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Touch

Indicators

Supplement Accessories





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