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Series CW

Toggles

General Specifications

Rockers B	CWSA	Electrical Capacity Power Level:	For Resistive Load 6A @ 250V	AC	
Pushbuttons		Other Ratings Contact Resistance: Insulation Resistance: Dielectric Strength:	20 milliohms maximum 500 megohms minimum @ 500V DC 1,500V AC minimum between contacts for 1 minute minimum 3,000V AC minimum between contacts & case for 1 minute minimum 30,000 operations minimum 10,000 operations minimum with Resistive Load & 6,000 operations with Inductive Load 2.50N 30° Operating Temperature Range: -10°C ~ +70°C (+14°F ~ +158°F)		
		Mechanical Life: Electrical Life: Nominal Operating Force: Angle of Throw:			
Programmable Illuminated PB		Materials & Finishes Rocker: Housing: Movable Contactor:	Polycarbonate Polyamide Brass with silver alloy plating	Stationary Contacts: Base: Contact Terminals:	Silver alloy Laminated thermosetting sheets Copper with silver plating
		Movable Contacts:	Silver alloy	Common Terminals:	Brass with silver plating
Keylocks	CWSB Electrical Capacity Power Level: For Resistive Load 6A @ 250V AC				
Rotaries		Other Ratings Contact Resistance: Insulation Resistance: Dielectric Strength:	10,000 operations minimum with Resistive Load & 6,000 operations with Inductive Load 6.50N for single pole models; 10.0N for double pole models		
Slides		Mechanical Life: Electrical Life: Nominal Operating Force:			
es		Angle of Throw: Materials & Finishes Rocker:	30° Operatin Polycarbonate	g lemperature Range: Stationary Contacts:	-10°C ~ +/0°C (+14°F ~ +158°F) Silver alloy
Tactiles		Housing: Movable Contactor: Movable Contacts:	Polyamide Beryllium copper w/silver alloy Silver	Base:	Laminated thermosetting sheets Brass with silver plating
T:i+	CWT	Electrical Capacity Power Level:	For Resistive Load 6A @ 125V /	AC; 3A @ 250V AC; 4A	@ 30V DC
Touch		Other Ratings Contact Resistance: Insulation Resistance: Dielectric Strength:	20 milliohms maximum 1,000 megohms minimum @ 500V DC 1,000V AC minimum between contacts for 1 minute minimum 1,500V AC minimum between contacts & case for 1 minute minimum 50,000 operations minimum 25,000 operations minimum 2.0N		
Indicators		Mechanical Life: Electrical Life: Nominal Operating Force:			
Accessories		Angle of Throw: Materials & Finishes Rocker: Housing:	30° Operatin Glass fiber reinforced polyamide Polyamide		-25°C ~ +70°C (-13°F ~ +158°F) LCP (Liquid Crystal Polymer) Brass + silver with silver plating
Supplement		Movable Contactor: Movable Contacts:	Phosphor bronze w/silver plating Silver alloy	G Common Terminals:	Brass with silver plating

B12

Toggles

Rockers В

Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

Slides

Factiles

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Touch

Indicators

Accessories

Supplement

Distinctive Characteristics

CWSA

Low cost molded rocker.

See-saw contact mechanism

Stable stationary contact construction for high reliability.

Easily installed with snap-in mounting.

Large terminal hole dimensioned .067" x .098" (1.7mm x 2.5mm) simplifies wiring and soldering.

Wave Soldering (PC version): See Profile A in Supplement section. Manual Soldering: See Profile A in Supplement section.

CWSB

Low cost molded rocker.

Snap-acting contact mechanism gives smooth actuation and audible feedback.

Stable stationary contact construction for high reliability.

Front panel, snap-in mounting for labor-saving installation.

Solder lug/quick connect terminals can be used with connectors.

Manual Soldering: See Profile B in Supplement section.

CWT

Low cost molded rocker in compact, slim design.

See-saw contact mechanism

Outstanding insulation resistance and dielectric strength.

Dust proof construction protects contact area.

Stable stationary contact construction for high reliability.

Front panel, snap-in mounting for labor-saving installation.

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

Manual Soldering: See Profile A in Supplement section.







Toggles

Rockers B

Keylocks | Programmable | Illuminated PB | Pushbuttons

Rotaries

Slides

Tactiles

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Touch

Supplement Accessories Indicators

STANDARDS & CERTIFICATIONS

CWSA



Specific CWSA models listed below are qualified for Underwriters Laboratories Inc. recognition and Canadian Standards Association certification. cULus marking on case is standard as noted in following table.

 Model
 Ratings @ AC

 CWSA11
 6A @ 250V

 CWSA12
 6A @ 250V

<u>cULus File No.</u> E44145 E44145 <u>Marking on Case</u> Standard Standard

CWSB



Specific CWSB models listed below are qualified for Underwriters Laboratories Inc. recognition and Canadian Standards Association certification. cULus marking on case is standard as noted in following table.

 Model
 Ratings @ AC

 CWSB11
 6A @ 250V

 CWSB21
 6A @ 250V

<u>cULus File No.</u> E44145 E44145 <u>Marking on Case</u> Standard Standard

CWT



Specific CWT model listed below is qualified for Underwriters Laboratories Inc. recognition and Canadian Standards Association certification. cULus marking on case is standard as noted in following table.

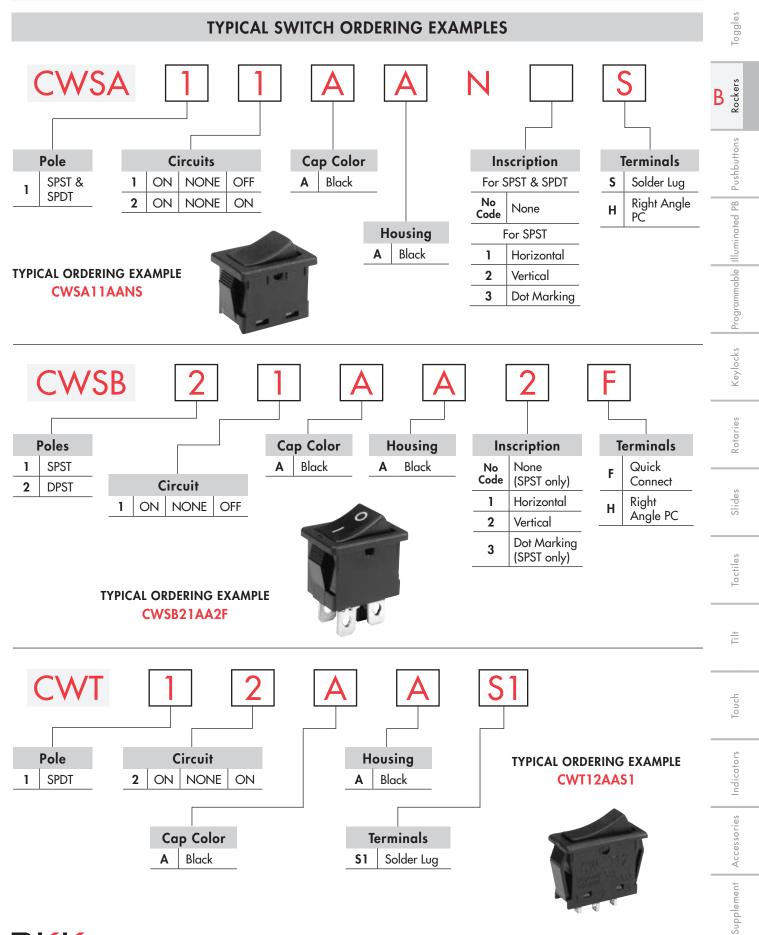
 Model
 Ratings @ AC

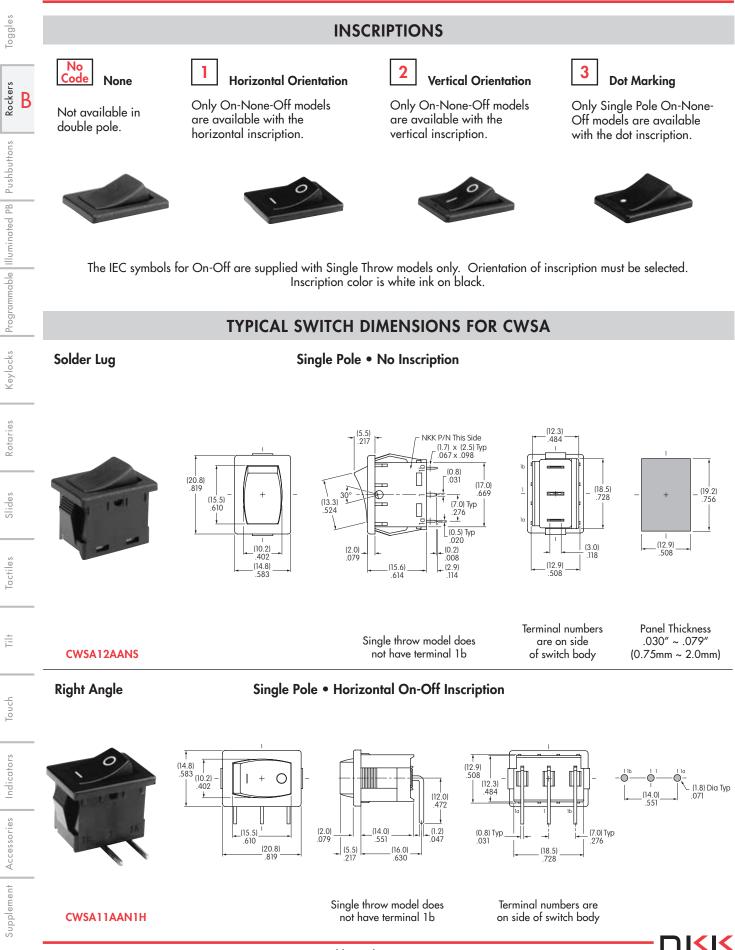
 CWT12
 6A @ 125V

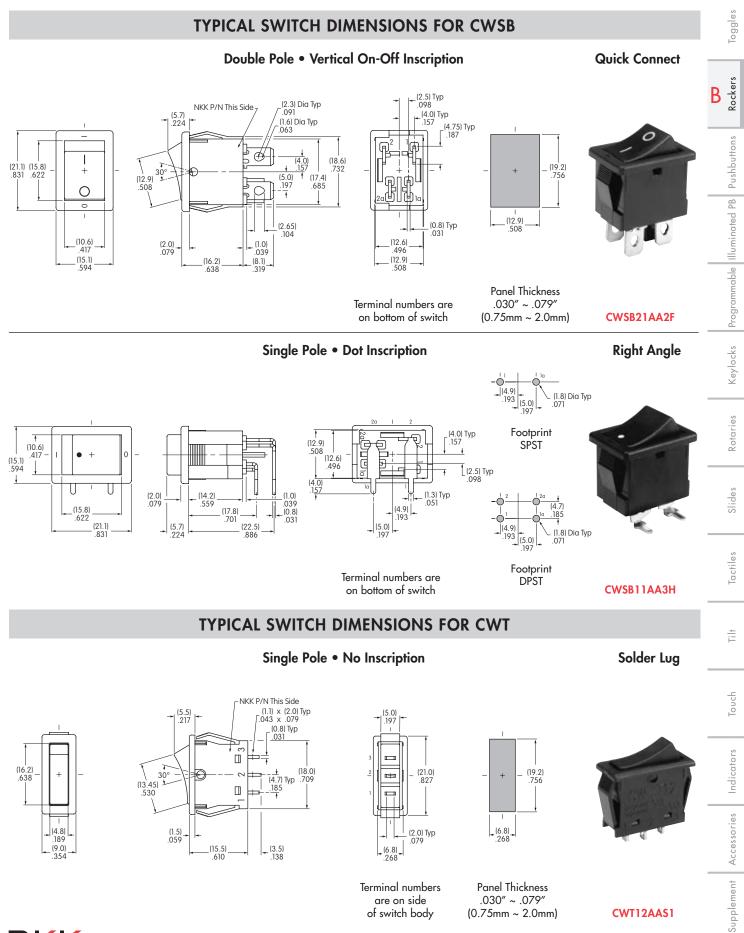
 3A @ 250V

<u>cULus File No.</u> E44145 <u>Marking on Case</u> Standard









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NKK Switches:

CWSA12AANSCWT12AAS1CWSA11AAN1SCWSA11AANSCWSA11AAN3SCWSA11AAN2SCWSB11AAFCWSB11AA1FCWSB11AA3FCWSB11AA2FCWSB21AA2FCWSB21CACFCWSB21AA1FCWSB21FAFFCWSB21DADFCWSA11AANHCWSA11AAN1HCWSA11AAN2HCWSB11AA1FCWSB11AA1HCWSB11AA1HCWSB11AA3HCWSB21AA1HCWT12AAS1/UCWT12AAS1/UCCWSB21AA2HCWSB21AA3F