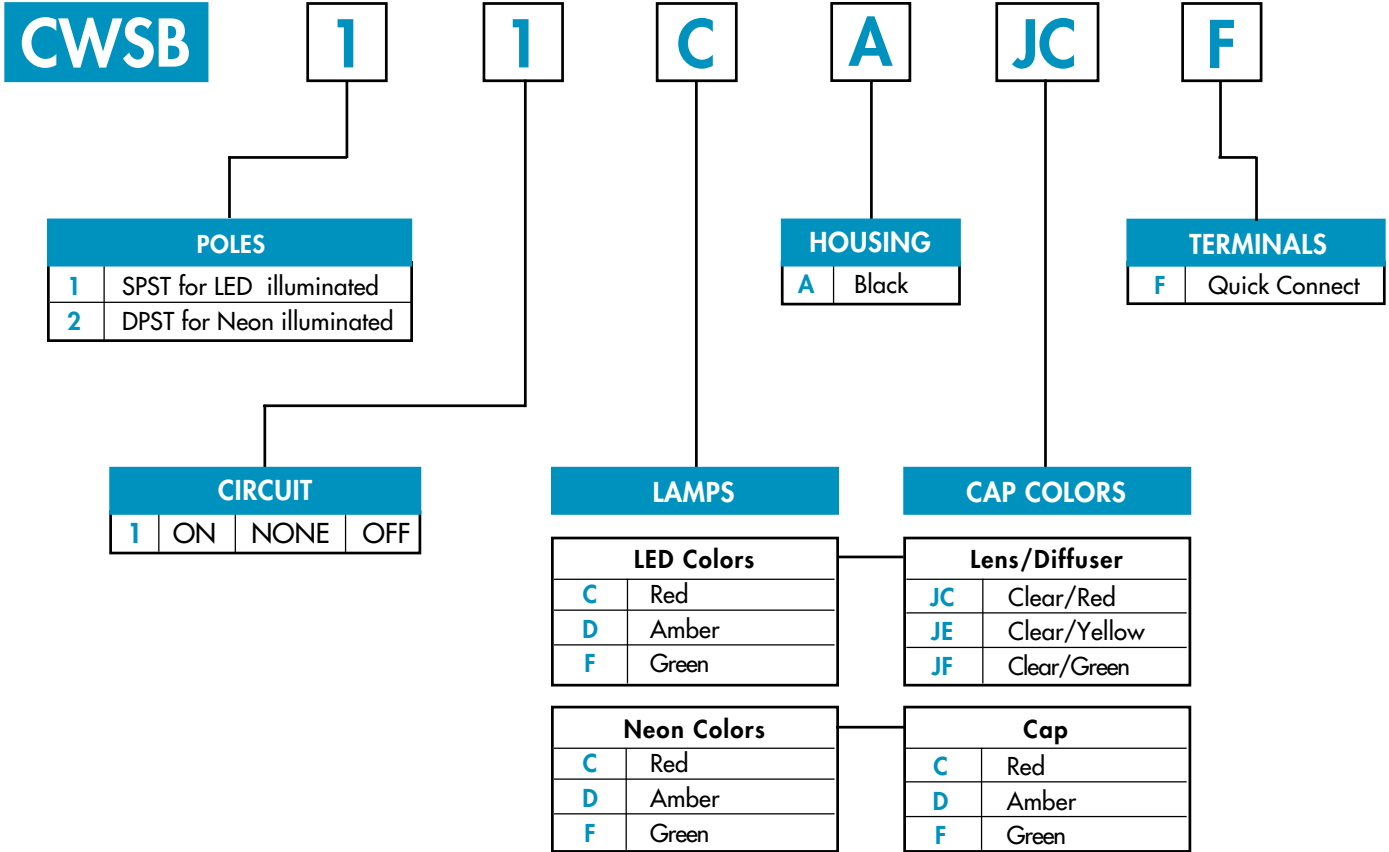
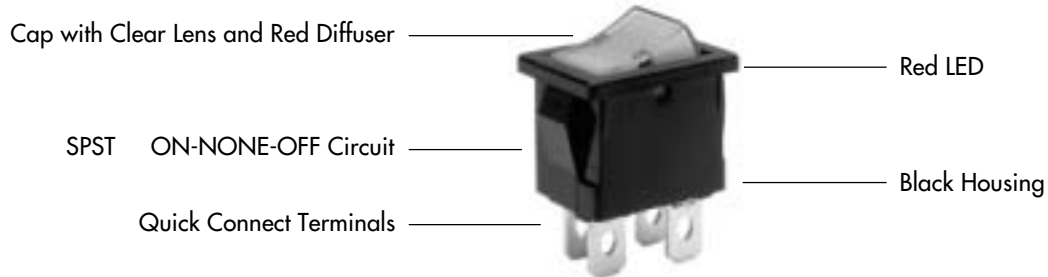


TYPICAL SWITCH ORDERING EXAMPLE



DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

CWSB11CAJCF



GENERAL SPECIFICATIONS

Electrical Capacity

Power Level: Single Pole Model with Isolated LED Illumination: 9A @ 125V AC or 6A @ 250V AC
 Double Pole Model with Synchronous Neon Illumination: 9A @ 125V AC

Other Ratings

Contact Resistance: 20 milliohms maximum (at 5V DC & 1A)
Insulation Resistance: 500 megohms minimum @ 500V DC
Dielectric Strength: 1,500V AC minimum between contacts; 3,000V AC minimum between contacts & case
Mechanical Life: 30,000 operations minimum
Electrical Life: 10,000 operations minimum for resistive load;
 6,000 operations minimum for inductive load
Nominal Operating Force: Single Pole (LED model) 6.2 Newtons \pm 3.5;
 Double Pole (Neon model) 10.0 Newtons \pm 5.0
Angle of Throw: 30°

Materials & Finishes

Rocker: Polycarbonate
Housing: Polyamide
Movable Contactor: Beryllium copper with silver plating
Movable Contacts: Silver alloy
Stationary Contacts: Silver alloy
Power Terminals: Brass with silver plating
Lamp Terminals: Brass with silver plating

Environmental Data

Operating Temp Range: LED Illuminated: -10°C through +50°C (+14°F through +122°F)
 Neon Illuminated: -20°C through +85°C (+68°F through +185°F)
Humidity: 90% humidity for 96 hours @ 40°C (104°F)
Vibration: 10 ~ 55Hz with peak-to-peak amplitude of 0.75mm traversing the frequency range
 & returning in 1 minute; 3 right angled directions for 2 hours
Shock: 50g acceleration (tested in 6 right angled directions, with 5 shocks in each direction)







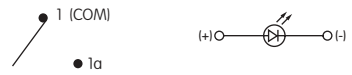
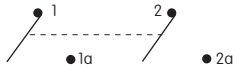
Installation

Soldering Time & Temperature: 3 seconds @ 350°C
Process Seal: Not available

Standards & Certifications

UL Recognized: Single pole models recognized at 9A @ 125V or 6A @250V AC;
 double pole models recognized at 9A @ 125V ; UL File No. E44145
CSA Certified: Single pole models certified at 9A @ 125V or 6A @250V AC;
 double pole models certified at 9A @ 125V ; CSA File No. 701166

POLES & CIRCUITS

		Rocker Position			Connected Terminals			Throw & Schematics
Pole	Model	Down	Center	Up	Down	Center	Up	Note: Terminal numbers "1" & "1a" are on SP model & "1a" & "2a" on DP.
								
SP	CWSB11	ON	NONE	OFF	1-1a	OPEN	OPEN	SPST 
DP	CWSB21	ON	NONE	OFF	1-1a 2-2a	OPEN	OPEN	DPST 

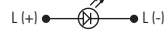
LAMP COLORS & SPECIFICATIONS

Single Element LED

The 4-chip LED is factory assembled and not available separately. LED circuit is isolated and requires external power source. The positive polarity mark is on the bottom of the switch.

The electrical specifications shown 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; see Supplement Index page Z1.



LEDs are colored in OFF state.

Forward Peak Current

Continuous Forward Current

Forward Voltage

Reverse Peak Voltage

Current Reduction Rate Above 25°C

Ambient Temp Range

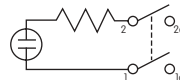
Color	C	D	F
Red	25mA	25mA	25mA
Amber	20mA	20mA	20mA
Green	2.0V	2.0V	2.1V
	5V	5V	5V
	0.33mA/°C	0.17mA/°C	0.25mA/°C
	-25 ~ +50°C		

Neon Lamp

The neon lamp is factory assembled and not available separately. The lamp circuit is synchronous to switching circuit.

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

Values for the built-in resistors are given in the accompanying table.



Color

Voltage

Internal Series Resistance

Current

Endurance

Color	C	D	F
Red	125V AC	125V AC	125V AC
Amber	33Kohms	33Kohms	68Kohms
Green	1.4mA	1.4mA	0.6mA
	15,000	15,000	8,000

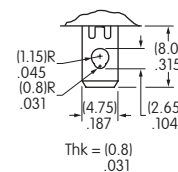
HOUSING

A Black Housing with Snap-in Mounting

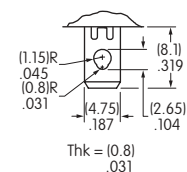


TERMINALS

F Quick Connect



CWSB11



CWSB21

Pear shaped .091" diameter terminal hole accommodates 1 solid 12-gauge wire or 2 stranded 20-gauge wires.

