

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







Supplement | Accessories | Indicators

General Specifications

Electrical Capacity (Resistive Load)

Power Level: 9A @ 125V AC

Other Ratings

Contact Resistance: 20 milliohms maximum

Insulation Resistance: 500 megohms minimum @ 500V DC

Dielectric Strength: 1,500V AC minimum between contacts for 1 minute minimum; 3,000V AC minimum between contacts & case for 1 minute minimum

Mechanical Life: 30,000 operations minimum **Electrical Life:** 10,000 operations minimum

Nominal Operating Force: 10.0N Angle of Throw: 30°

Materials & Finishes

Rocker: Polycarbonate Housina: **Polyamide**

Movable Contactor: Beryllium copper with silver plating

Movable Contacts: Silver alloy **Stationary Contacts:** Silver alloy

Switch Terminals: Brass with silver plating Lamp Terminals: Brass with silver plating

Environmental Data

Operating Temp Range: -20°C through +85°C (-4°F through +185°F)

Humidity: 90 ~ 95% 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 (490m/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

Installation

Soldering Time & Temp: Manual Soldering: See Profile B in Supplement section.

Standards & Certifications

UL: File No. E44145

9A @ 125V AC

Markings on case are standard.

CSA: File No. 0701166_0_000

9A @ 125V AC

Markings on case are standard.



Rockers

Keylocks Programmable Illuminated PB Pushbuttons

Distinctive Characteristics

Full face, Neon illumination in choice of red, amber, or green.

Neon lamp suited to 125V AC applications.

9-amp electrical capacity in compact body.

Built-in resistor for direct connection to 125V AC power source.

Low cost molded rocker.

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

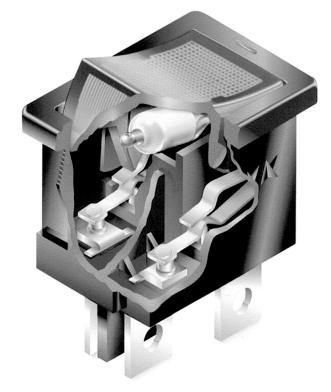
Single-break, snap-acting contact mechanism gives smooth actuation and audible feedback.

Quick-make, quick-break characteristic limits arcing and prolongs electrical life.

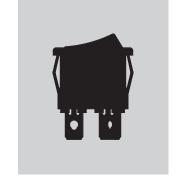
Stable stationary contact construction for high reliability.

Offset terminal alignment gives outstanding insulation resistance and dielectric strength.

Solder lug/.187" quick connect terminals can be used with connectors.



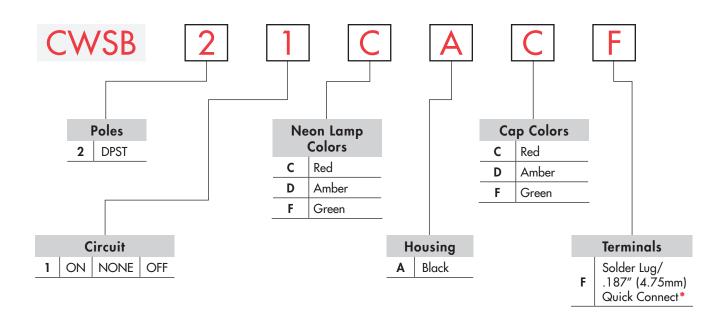






Supplement Accessories

TYPICAL SWITCH ORDERING EXAMPLE



* Wire harness & cable assemblies offered only in Americas

DESCRIPTION FOR TYPICAL ORDERING EXAMPLE





IMPORTANT:



Switches are supplied with UL & CSA markings on case. Specific models & ratings noted on General Specifications page.

Pole Model Down Center Up Down Center Up Note: Terminal numbers "1a" & "2a actually on the switch.	POLE & CIRCUIT												
Pole Model Note: letriffind numbers 1d & 2d actually on the switch.	Throw & Switch/Lamp Schematic			Connected Terminals			Rocker Position						
			Up	Center	Down	Up	Center	Down	Model	Pole			
DP CWSB21 ON NONE OFF 1-1a 2-2a OPEN OPEN DPST	20 -0 ₂₀	DPST	OPEN	OPEN	1-1a 2-2a	OFF	NONE	ON	CWSB21	DP			



Slides

NEON LAMP COLORS & SPECIFICATIONS

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

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

7	— Neon Lamp	Colors		
L o d	2 2a Source	C Red	D Amber	F Green
Voltage	V	125V AC	125V AC	125V AC
Internal Serie	es Resistance	33K ohms	33K ohms	68K ohms
Current	I	1.4mA	1.4mA	0.6mA
Endurance	Hours	15,000	15,000	8,000

HOUSING



Black Housing with Snap-in Mounting

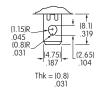
On Off (I O) symbols are molded on the bezel.



TERMINALS



Solder Lug/ .187" (4.75mm) Quick Connect



CAP COLOR CODES

Cap Colors Available





Amber



Green

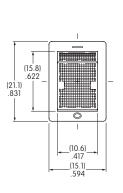


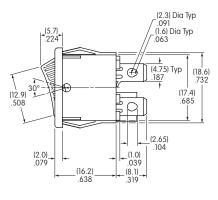
Caps are factory assembled and are not available separately.

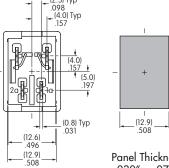
TYPICAL SWITCH DIMENSIONS

Double Pole

Neon Illuminated







Panel Thickness .030" ~ .079" $(0.75 \text{mm} \sim 2.0 \text{mm})$

_ (19.2) .756



CWSB21CACF

www.nkk.com **B21**

Touch

Indicators

Supplement | Accessories