Neon Miniature Power Rocker with Wire Leads

Series CWSB

Voltage (V)

Internal Series Resistance

Current (I)

Endurance (Hours)

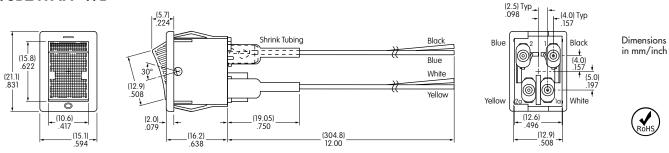
125V AC

68K ohms

0.6mA

8,000

CWSB21FAFF-WL



DOUBLE POLE WITH SOLDER LUG

			Rocker Position			Connected Terminals			Throw & Switch/Lamp Schematic	
Base Swit	ch Po	ole	Down	Center	Up	Down	Center	Up	Note: Terminal numb on the switch.	ers are actually
CWSB21F4	AFF D	OP	ON	NONE	OFF	1-1a 2-2a	OPEN	OPEN	DPST	
Wiring						Wire Specifications		Panel Cutout		
No. of Wires	Termin 1	al	Terminal 1a	Terminal 2	Terminal 2a	UL1015 600V	Temperature Range: -40°C ~ +105°C (-40°F ~ +221°F)		Panel Thickness Range: .030″ ~ .079″	(19.2) .756
4	Black	¢	White	Blue	Yellow	16 AWG S	Stripped Wire Ends 1/4"		(0.75mm ~ 2.0mm)	(12.9)

Neon Lamp Color & Specifications

Green Illumination

Neon Lamp

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

Electrical specifications are determined at a basic temperature of 25°C.

Base Switch Specifications

Power Level: 9A @ 125V AC Other Ratings 20 milliohms maximum Insulation 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; 3,000V AC minimum between contacts & case for 1 minute minimum; Mechanical Life: 10,000 operations minimum Electrical Life: 10,000 operations minimum Nominal Operating Force: 10.0N Angle of Throw: 30° Materials & Finishes Rocker: Polycarbonate Stationary Contacts: Brass with silver plating Brass with silver plating Movable Contactor: Beryllium copper with silver plating Movable Contacts: Silver allay Brow > 50C (hrough +85°C (-4°F through +185°F) Brass with silver plating Power Livit pack-to-peak amplitude of 0.75mm traversing the frequency range & returning in 1 minute; 3 right angled directions for 2 hours Shock: Shock: SoG (490m/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction) Standards & Certifications for Base Switch UL File No. E	Electrical Capacity (Resistive Lo	ad)							
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 Ibelectric Strength: 10,000 operations minimum Mechanical Life: 10,000 operations minimum Nominal Operating Force: 10.0N Angle of Throw: 30° Materials & Finishes Rocker: Rocker: Polycarbonate Switch Terminals: Housing: Polycarbonate Switch Terminals: Movable Contactor: Beryllium copper with silver plating Lamp Terminals: Movable Contactor: Silver alloy Movable Contactor: Silver alloy Movable Contacts: Silver alloy Humidity: 90 ~ 95% humidity for 96 hours @ 40°C (104°F) Yibration: 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) Standards & Certifications for Base Switch UL: F	Power Level:	9A @ 125V AC							
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: 10,0N Angle of Throw: 30° Materials & Finishes Polycarbonate Rocker: Polycarbonate Housing: Polycarbonate Silver alloy Beryllium copper with silver plating Movable Contactor: Beryllium copper with silver plating Movable Contactor: Beryllium copper with silver plating Movable Contactor: Silver alloy Movable Contacts: Silver alloy Brass with silver plating Brass with silver plating Movable Contacts: Silver alloy 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: Staddards & Certifications for Base Switch UL UL: File No. E44145 CSA: YA @ 125V AC YA @ 125V AC Markings on case are sta	Other Ratings								
Dielectric Strength: 1,500V AC minimum between contacts for 1 minute minimum; 3,000V AC minimum between contacts & case 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 8 Rocker: Polycarbonate Stationary Contacts: Housing: Polyamide Switch Terminals: Movable Contactor: Beryllium copper with silver plating Lamp Terminals: Movable Contactor: Silver alloy 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) Standards & Certifications for Base Switch UL: UL: File No. E44145	Contact Resistance:	20 milliohms maximum							
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 Stationary Contacts: Silver alloy Housing: Polyamide Beryllium copper with silver plating Lamp Terminals: Brass with silver plating Movable Contacts: Silver alloy 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 Standards & Certifications for Base Switch UL: File No. E44145 Standards & Certifications for Base Switch UL: File No. E44145 Standards.	Insulation Resistance:	500 megohms minimum @ 500V DC							
Mechanical Life: 30,000 operations minimum Electrical Life: 10,000 operations minimum Nominal Operating Force: 10,0N Angle of Throw: 30° Materials & Finishes Stationary Contacts: Rocker: Polycarbonate Housing: Polycarbonate Movable Contactor: Beryllium copper with silver plating Movable Contacts: Silver alloy Movable Contacts: Silver alloy Poperating 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) Standards & Certifications for Base Switch UL: UL: File No. E441145 CSA: 9A @ 125V AC Markings on case are standard.	Dielectric Strength:								
Electrical Life: 10,000 operations minimum Nominal Operating Force: 10.0N Angle of Throw: 30° Materials & Finishes Rocker: Polycarbonate Stationary Contacts: Novable Contactor: Polycarbonate Movable Contactor: Beryllium copper with silver plating Movable Contacts: Silver alloy Brass with silver plating Lamp Terminals: Movable Contacts: Silver alloy Brass with silver plating Brass with silver plating Movable Contacts: Silver alloy Brass with silver plating Brass with silver plating Movable Contacts: Silver alloy Brass with silver plating Brass with silver plating Movable Contacts: Silver alloy Environmental Data -20°C through +85°C (-4°F through +185°F) Yolp ~ 95% humidity for 96 hours @ 40°C (104°F) Yibration: 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) Standards & Certifications of Base Switch									
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Materials & Finishes Rocker: Housing: Novable Contactor: Movable Contactor: Movable Contacts: Polycarbonate Polyamide Stationary Contacts: Switch Terminals: Silver alloy Movable Contactor: Movable Contacts: Beryllium copper with silver plating Silver alloy Barass with silver plating Brass with silver plating Brass with silver plating Brass with silver plating Brass with silver plating Environmental Data -20°C through +85°C (-4°F through +185°F) Humidity: 90 ~ 95% humidity for 96 hours @ 40°C (104°F) Brass with silver plating 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 50G (490m/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction) Standards & Certifications for Base Switch UL: File No. E44145 CSA: File No. 0701166_0_000 9A @ 125V AC Warkings on case are standard. Markings on case are standard. Markings on case are standard.	Nominal Operating Force:	10.0N							
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Housing: Polyamide Switch Terminals: Brass with silver plating Movable Contactor: Beryllium copper with silver plating Lamp Terminals: Brass with silver plating Movable Contacts: Silver alloy Silver alloy Brass with silver plating Environmental Data -20°C through +85°C (-4°F through +185°F) Brass with silver plating Operating Temp Range: -20°C through +85°C (-4°F through +185°F) Brass with silver plating Yibration: 90 ~ 95% humidity for 96 hours @ 40°C (104°F) 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: SoG (490m/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction) Standards & Certifications for Base Switch UL: File No. E44145 CSA: File No. 0701166_0_000 9A @ 125V AC Markings on case are standard. Markings on case are standard. Markings on case are standard.	Materials & Finishes								
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Shock: in 1 minute; 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) Standards & Certifications for Base Switch UL: VIL: File No. E44145 VIL: File No. E44145 VIC: File No. E44145 VIC: File No. E44145 VIC: Markings on case are standard.									
Shock: 50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction) Standards & Certifications for Base Switch Base Switch UL: File No. E44145 CSA: File No. 0701166_0_000 9A @ 125V AC 9A @ 125V AC 9A @ 125V AC Markings on case are standard. Markings on case are standard. Markings on case are standard.	Vibration:								
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