

Switches

Technical Specifications



Switches

Description	Industrial Grade	Commercial Grade	Residential
Typical specification – catalog number	4801, 4901	9801, 9901	RSD115
Manufacturer’s identification	Bryant 4801, 4901	Bryant 9801, 9901	RSD115
Description	Industrial grade AC switch, back and side wired	Commercial grade fashion series rocker switch	Residential decorator series rocker switch
Type	Single pole, single-throw, grounded	Single pole, double pole, 3-way and 4-way	
Rating	15A and 20A, 120-277V AC	15A and 20A, 125V-277V AC	

Certification

UL Listed, Guide #WMUZ Verified under Fed. Spec. #WS 896 Complies with UL 20 and NEMA® Standard WD-1	Listed to UL Standard 20 CSA Certified
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Materials

Components	Materials	Materials
Cover	Thermoset	Polycarbonate
Base	(Face color coded by amperage)	PVC
Toggle	Nylon	—
Rocker	—	Polycarbonate
Terminal	High performance copper-alloy	Brass
Terminal screws	Brass #8 combination head	Steel
Mounting yoke	Brass and nickel-plated steel	Galvanized steel
Contacts	Silver cadmium oxide	Silver alloy
Movable contact arm	High performance copper-alloy	Copper alloy
Ground terminal	Brass and nickel-plated steel	—
Ground screw	Brass (green)	—
Auto ground clip	Stainless steel	—

Performance

Electrical		Electrical	
Dielectric voltage	Withstands 1500V minimum for 1 min	Withstands 1500V minimum for 1 min	
Maximum working voltage	277V AC	277V AC (Commercial)	120V (Residential)
Overload	—	1.5 times rating	
Temperature rise	30°C maximum at rated current	—	
Maximum continuous current	15A, 20A, 30A	—	
Endurance	50,000 cycles minimum, tungsten filament lamp load (Fed. Spec.), #WS 896, single pole, double pole, 3-way and 4-way	30,000 cycles minimum	
Mechanical			
Terminal accommodation	#14 AWG minimum - #10 AWG maximum	Back and side wire: up to #10 AWG max. solid and stranded copper wire only	Back and side wire: #14 AWG min. to #12 AWG max. solid and stranded copper wire only, push wire: #14 AWG solid copper wire only
Environmental			
Flammability	UL 94 V2	UL 94 V2	UL V0
Operating temperatures	Maximum continuous 75°C, minimum -40°C (without impact)	Maximum continuous 60°C, minimum -20°C (without impact)	

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