

Surge and Isolated Ground Devices

Technical Specifications - Surge Receptacles

Surge Receptacles

Description		Description	
Typical specification – catalog number	SP52IGA	Industrial grade isolated ground surge suppression duplex receptacle	
Manufacturer's identification	Bryant SP52IG Series	Type	2-pole, 3-wire, grounding
		Rating	15A 125V, NEMA 5-15R

Certification

UL Listed, UL Standards 1449 surge protective devices and 498 receptacles
 Certified to CSA, C22.2, No. 42

ANSI/IEEE C62.41 (IEEE 587) categories "A" and "B"
 NEMA WD-6
 Meets UL and CSA varistor thermal protection requirements

Materials Inches (mm)

Components	Materials
Cover and base	Nylon
Line contacts	High performance brass alloy
Mounting yoke	0.05 inch (1.3mm)
Terminal screws	Brass #8-32
Clamp nut	Brass - 0.03" (.8mm)
Grounding screw	Brass (green) #8-32
Ground contacts	High performance
Auto grounding assembly	Stainless steel
Flat head mounting screws	Zinc-plated steel

Performance

Electrical	
UL voltage protection level	600V
Operating voltage	125V AC
Frequency	60 Hz
Protection modes	Normal mode (L-N), common mode (L-G) (N-G)
Noise filtration	RFI and EMI 100KHz, 4MHz-10DB to -20DB
Response time	Less than 5 nanoseconds (ns)
Peak energy 10X 1000µs	240 joules
Peak current 8X 20µs	15,000 Amps
Mechanical	
Terminal identification	Terminals identified in accordance with UL 498 (brass, white, green)
Terminal accommodation	#14-10 AWG copper conductor only, solid or stranded
Product identification	Ratings are a permanent part of the device
Environmental	
Flammability	Cover and base: UL 94 V2
Operating temperatures	Maximum continuous 20°C to 55°C



SP52IGA

Technical Specifications - Portable Surge Protection Devices

Portable Surge Protection Devices

Operating Specifications:			
MCOV		130V	
Operating frequency		50/60HZ	
Operating temperature		-40°F to 160°F (-40°C to 70°C)	
Performance			
UL VPR		400V	
EMI / RFI noise rejection BRYPS1050/BRYPS2100 Series		-20db	
Physical Specifications			
	BRYPS350/BRYPS1050/BRYPS2100	BRYMPS1050/ST16/ST115	
Housing type	ABS	Metal	
UL 1449 3rd Edition			
Warranty			
Downline warranty	BRYPS350/BRYMPS1050	BRYPS1050 Series	BRYPS2100 Series
	\$2,500	\$10,000	\$25,000



BRY8PS2100D