



Duplex Surge Receptacles

Bryant's compact, feature-rich duplex surge receptacles are designed to meet virtually any surge receptacle specification.

Features & Benefits

- Provides point-of-use surge protection against transient voltages that can cause premature electronic equipment failure.
- Available for 15 Amp, 125 Volt and 20 Amp, 125 Volt in industrial grade (IG and non-IG) and hospital grade.
- Two 22mm MOVs provide 240 joules of surge protection for normal mode (L-N) and common modes (L-G, N-G.)
- 400 Volt clamping voltage.
- All-glass printed circuit board with a conformal coating and nylon shield to maximize moisture resistance and corrosion immunity.



- Visible LED signifies if device is operational or needs replacement.
- Audible alarm to alert occupants when device needs replacement. Includes muting screw.
- High-impact nylon face resists damage.
- External back-wire terminations with "U" shaped wire clamps designed to bundle stranded wire.
- Automatic grounding clip and tandem bypass contacts for the ultimate in contact pressure with lower operating temperatures.
- Distinctive "surge symbol" on the face to help the user quickly identify the receptacle as a surge suppression device.
- Available in blue, ivory, white, gray, almond (industrial grade only) and orange (IG only).
- Meets UL Standards 1449 and 498. CSA Certified.



BRYANT® TRADE TIPS

A Joule is a measure of electrical energy, and not the most important rating when selecting surge protection devices. The energy a surge protection device can absorb is directly proportional to the "clamping voltage." Low clamping voltages are most desirable since the surge protection device is required to absorb and dissipate less energy given the same current level.

Simply selecting devices with high Joule ratings gives a false sense of protection because the rating is usually a result of higher clamping voltages which can permit damage to connected loads. When selecting surge protection devices, specify low clamping voltages to maximize protection.



Duplex Surge Receptacles

2-Pole 3-Wire Grounding, 15 Amp 125V; 20 Amp 125V

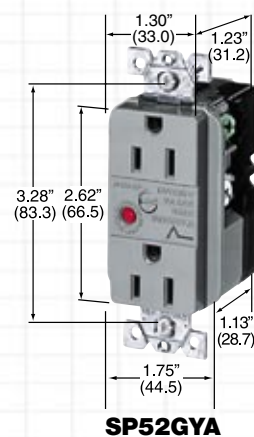
Specification Grade Duplex Receptacles



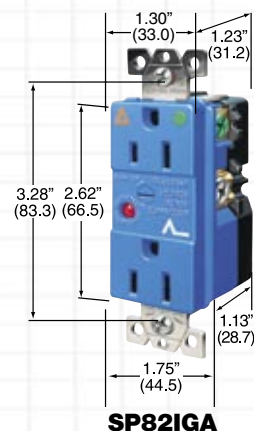
Description	Color	NEMA 5-15 15A, 125V	NEMA 5-20 20A, 125V
Surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	SP52A	SP53A
	Ivory	SP52IA	SP53IA
	White	SP52WA	SP53WA
	Gray	SP52GYA	SP53GYA
	Almond	SP52ALA	SP53ALA
Isolated ground, surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	SP52IGA	SP53IGA
	Orange	SP52IGOA	SP53IGOA
	Ivory	SP52IGIA	SP53IGIA
	White	SP52IGWA	SP53IGWA
	Gray	SP52IGGYA	SP53IGGYA
Almond	SP52IGALA	SP53IGALA	

Hospital Grade Duplex Receptacles

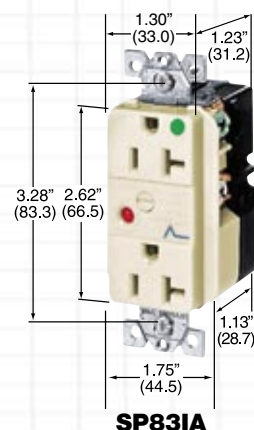
Description	Color	NEMA 5-15 15A, 125V	NEMA 5-20 20A, 125V
Surge suppression receptacles with light and alarm. 240 joules/15000A per mode.	Blue	SP82A	SP83A
	Ivory	SP82IA	SP83IA
	White	SP82WA	SP83WA
	Red	SP82RA	SP83RA
	Gray	SP82GYA	SP83GYA
Isolated ground, surge suppression receptacles with light and alarm. 240 joules/15000A per mode.	Blue	SP82IGA	SP83IGA
	Orange	SP82IGOA	SP83IGOA
	Ivory	SP82IGIA	SP83IGIA
	White	SP82IGWA	SP83IGWA
	Red	SP82IGRA	SP83IGRA
Gray	SP82IGGYA	SP83IGGYA	



SP52GYA



SP82IGA



SP83IA

Specifications

Frequency	60Hz	
Voltage	120V AC + 10%–15%	
Response Time	Approximately 5 ns	
Protection Modes	Normal and Common Modes	
Transient Suppression	Peak Energy:	Peak Current
	(10 X 100 ms)	(8 X 20 ms)
Normal Mode (L-N)	240 joules	15000A
Common Mode (L-G), (N-G)	240 joules	15000A
UL Clamping Voltage	400V Max.	
UL Listed	UL 1449	
EMI/RFI Attenuation at 50 Ohms Normal Mode	-40 dB	
Operating Temperature	32° to 140° F (0° to 60°C)	
Flammability	UL 94V-2	