

Choose Eaton's Wiring Devices for the ultimate protection from electrical spikes and surges

When it comes to surge protection, Eaton's Wiring Devices delivers all of the Surge Protection Devices (SPD) receptacle options. We provide conventional SPD receptacle products like others do, as well as innovative design features including our patented, replaceable Surgebloc modules.

Most of the new equipment being manufactured today has built-in microprocessor chips which are extremely vulnerable to momentary surges or spikes that occur on an hourly basis. **Transient voltage spikes are involved with an estimated 89% of all power disturbances.** Lighting and utility switching equipment, air conditioners, pumps, microwaves, copy machines and power tools are just a few of the devices that can cause voltage spikes.

Applications

- Office buildings
- Hospitals
- Schools
- Institutions
- Residential homes
- Retail
- Medical offices
- Computer facilities
- Commercial facilities

The effect that these spikes have on electrical equipment causes varying degrees of damage:

- **Destructive damage** is caused by transient spikes that are instantaneous, causing catastrophic failure (lightning or short circuit).
- **Dissipative damage** is the result of cumulative transient spikes that continue to erode the performance of equipment until it ultimately fails (fax machine ceases to function suddenly without damage symptoms).
- **Disruptive damage** occurs when electronic components attempt to process transient spikes as a valid logic command, resulting in system lock-up, malfunctions and lost or corrupted files (computer freezes up).

Even though a building may be protected by an outside SPD panel, additional protection is needed at the point-of-use on devices inside the building. While a SPD at the service entrance protects the building from surges entering the building from the outside, it does not protect equipment from surges that occur within a building. **An estimated 63% of transient voltage spikes originate within buildings, leaving valuable equipment vulnerable to damage.** With the addition of surge protection devices on the branch circuit, equipment is protected from damaging spikes and surges originating inside the building.



Power-related problems cost U.S. companies over **\$26 Million** a year.

EATON

Powering Business Worldwide

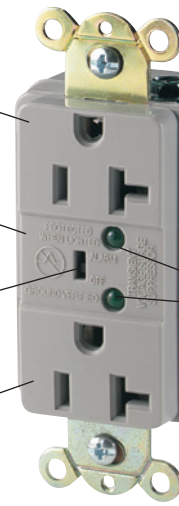
Commerical and hospital grade receptacles perform under the most exacting conditions.

High impact-resistant thermoplastic construction

Audible alarm signals when surge protection has expired or bad ground connection occurs. (available on 5262, 5362, 8200 & 8300 series)

Front access switch for muting audible alarm until device is replaced

Provides surge protection for hot to neutral, hot to ground and neutral to ground. (L-N, L-G, N-G)
*Switched alarm models not rated for N-G)



Grounding system fully isolated from common building ground for IG devices only

8-hole back and side wire

Green LED indicators to verify surge protection and ground provided

Shallow depth of back body makes for easy installation

Commerical Grade Receptacles with LED Indicators

Catalog no.	Description	Rating			Clamping Voltage	Joules/MCOV	Maximum Surge Current	Color suffix
		A	V/AC	NEMA				
□ 5250__S	Duplex receptacles	15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	BL, GY, V, W
□ 5350__S		20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	BL, GY, V, W
□ IG5250__S	IG Duplex receptacles	15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	BL, GY, RN, V, W
□ IG5350__S		20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	BL, GY, RN, V, W

Commerical Grade Receptacles with Audible Alarm and LED Indicators

Catalog no.	Description	Rating			Clamping Voltage	Joules/MCOV	Maximum Surge Current	Color suffix
		A	V/AC	NEMA				
□ 5262__S	Duplex receptacles, back and side wire	15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	B, GY, LA, V, W
□ 5362__S		20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	B, BK, BL, GY, LA, RD, V, W
□ IG5262__S	IG Duplex receptacles, back and side wire	15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	GY, RD, RN, V, W
□ IG5362__S		20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	BK, GY, RD, RN, V, W

Hospital Grade Receptacles with LED Indicators

Catalog no.	Description	Rating			Clamping Voltage	Joules/MCOV	Maximum Surge Current	Color suffix
		A	V/AC	NEMA				
□ 8200__	Duplex receptacles, back and side wire	15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	B, GY, RD, V, W
□ 8300__		20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	B, GY, LA, RD, V, W
□ IG8200__	Premium IG Duplex receptacles, back and side wire	15	125	5-15R	400V	280J/150V/AC RMS	18kA per mode	GY, RD, RN, V, W
□ IG8300__		20	125	5-20R	400V	280J/150V/AC RMS	18kA per mode	GY, RD, RN, V, W

Color ordering information

For ordering devices, include Catalog no. followed by the color suffix:
B (Brown), BK (Black), BL (Blue), GY (Gray), LA (Light Almond), RD (Red), RN (Orange), V (Ivory), W (White)



Compliances, specifications and availability are subject to change without notice.

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