

# Surge Protection (TVSS)

## K

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When it comes to receptacles, no other manufacturer offers all the Transient Voltage Surge Suppressor (TVSS) options that Cooper Wiring Devices can. That's because we provide conventional TVSS receptacle products like they do, and innovative designs featuring our patented, replaceable SurgeBloc® modules, as well.

Like standard TVSS devices, SurgeBloc® products provide an audible alarm to warn when surge protection expires. But unlike the others, protection can be restored immediately by snapping in a replacement module. There's no need to rewire the device or interrupt power to the receptacle, so they are ideal for reducing equipment down-time in hospital, computer, and school applications.

All of our TVSS products are manufactured from high-impact-resistant thermoplastics, boast exceptional clamping and surge current ratings; and are available in both isolated and non-isolated ground configurations.



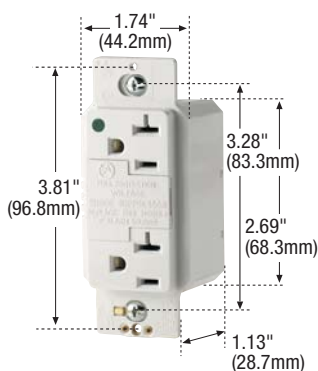
# Hospital Grade SurgeBloc® TVSS

**2 Pole, 3 Wire Grounding**  
**15A 125V**  
**20A 125V**

## Surge Bloc® TVSS Devices

### FEATURES

- Provides surge protection for hot to neutral, hot to ground and neutral to ground.
- Exclusive patented replaceable module restores expired surge protection without interruption of power or need to remove and rewire device.
- Audible alarm signals when surge protection has expired.
- Grounding system fully isolated from common building ground.
- Noise protection against EMI and RFI standard.
- High impact-resistant thermoplastic mounting strap.
- Automatic ground will insure wallplate grounding in properly grounded metal enclosure.
- Standard 6" (152.4mm) leads, stripped 0.50" (12.7mm).



**1310**

### Hospital Grade Duplex Receptacle

#### Wire Leads

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	170J/ 150V/AC RMS	12kA per mode	Ivory White	1308V 1308W
20	125	5-20R	400V	170J/ 150V/AC RMS	12kA per mode	Ivory White	1310V 1310W

### Hospital Grade Duplex Receptacle - Isolated Ground

#### Wire Leads

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	170J/ 150V/AC RMS	12kA per mode	Blue Ivory Red	IG1308BL IG1308V IG1308RD
20	125	5-20R	400V	170J/ 150V/AC RMS	12kA per mode	Blue Ivory Red	IG1310BL IG1310V IG1310RD

INDUSTRIAL  
COMMERCIAL  
RESIDENTIAL

**K-1**  
**SURGE**  
**PROTECTION**  
**(TVSS)**

### TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 and UL498 requirements.
- Fed. Spec. WC-596, file #E15058
- Meets all CSA requirements, C22.2 no. 42, file #6914 (6233-01)
- For replaceable module: UL file #E102018

### MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.



**5-15R**



**5-20R**

# Hospital Grade Receptacles with LED Indicators

2 Pole, 3 Wire Grounding  
15A 125V  
20A 125V



## Receptacles with LED Indicators

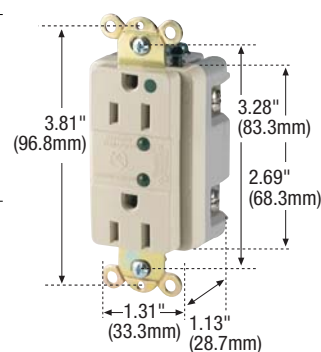
### FEATURES

- Provides surge protection for hot to neutral, hot to ground and neutral to ground.
- High impact thermoplastic construction.
- 8-hole back & side wired.
- Shallow depth for easy installation.
- LED indicators to verify surge protection and ground.

### Hospital Grade Receptacles with LED Indicators

#### Back and Side Wire

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Red White	5250HGBLS 5250HGBS 5250HGGYS 5250HGVVS 5250HGRDS 5250HGWS
20	125	5-20R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Red White	5350HGBLS 5350HGBS 5350HGGYS 5350HGVVS 5350HGRDS 5350HGWS

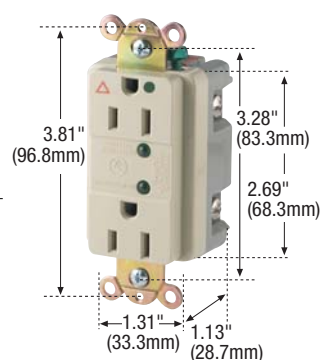


5250HG

### Hospital Grade Receptacles with LED Indicators - Isolated Ground

#### Back and Side Wire

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Orange Red White	IG5250HGBLS IG5250HGBS IG5250HGGYS IG5250HGVVS IG5250HGRNS IG5250HGRDS IG5250HGWS
20	125	5-20R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Orange Red White	IG5350HGBLS IG5350HGBS IG5350HGGYS IG5350HGVVS IG5350HGRNS IG5350HGRDS IG5350HGWS



IG5250HG

INDUSTRIAL  
COMMERCIAL  
RESIDENTIAL

**K-2**  
SURGE  
PROTECTION  
(TVSS)

### TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 (file 2369) and UL498 requirements
- CSA Listed (file no. LR7087)

### MATERIAL CHARACTERISTICS

Environmental:  
Flammability per UL94 requirements, V2 rated.



5-15R



5-20R



# Hospital Grade Receptacles with LED Indicators and Switched Alarms

2 Pole, 3 Wire Grounding  
15A 125V  
20A 125V

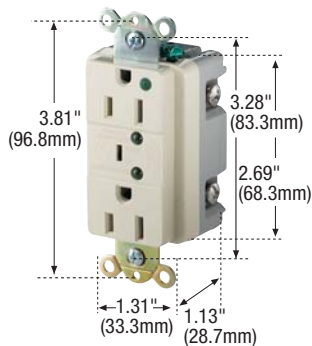
## Receptacles with LED Indicators and Switched Alarm

### FEATURES

- Provides surge protection for hot to neutral, hot to ground and neutral to ground.
- High impact thermoplastic construction.
- 8-hole back & side wired.
- Shallow depth for easy installation.
- LED indicators to verify surge protection and ground.
- Audible alarm indicates bad ground connection or surge protection has expired (on models with alarm only).

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COMMERCIAL  
RESIDENTIAL

**K-3**  
SURGE  
PROTECTION  
(TVSS)

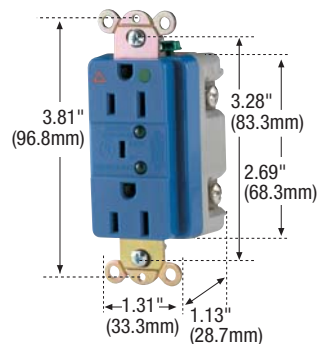


**8200S**

### Hospital Grade Receptacles with LED Indicators & Alarm

#### Back and Side Wire

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Red White	8200BLS 8200BS 8200GYS 8200VS 8200RDS 8200WS
20	125	5-20R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Red White	8300BLS 8300BS 8300GYS 8300VS 8300RDS 8300WS



**IG8200HGS**

### Hospital Grade Receptacles with LED Indicators & Alarm - Isolated Ground

#### Back and Side Wire

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Orange Red White	IG8200HGBLS IG8200HGBS IG8200HGGYS IG8200HGVS IG8200HGRNS IG8200HGRDS IG8200HGWWS
20	125	5-20R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Orange Red White	IG8300HGBLS IG8300HGBS IG8300HGGYS IG8300HGVS IG8300HGRNS IG8300HGRDS IG8300HGWWS

### TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 (file 2369) and UL498 requirements
- CSA Listed (file no. LR7087)

### MATERIAL CHARACTERISTICS

Environmental:  
Flammability per UL94 requirements, V2 rated.



**5-15R**



**5-20R**

# Commercial Specification Grade SurgeBloc® TVSS

2 Pole, 3 Wire Grounding  
15A 125V  
20A 125V



INDUSTRIAL  
COMMERCIAL  
RESIDENTIAL

**K-4**  
SURGE  
PROTECTION  
(TVSS)

## TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 and UL498 requirements.
- Fed. Spec. WC-596, file #E15058
- Meets all CSA requirements, C22.2 no. 42, file #6914 (6233-01)
- For replaceable module: UL file #E102018

## MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.

## Surge Bloc® TVSS Devices

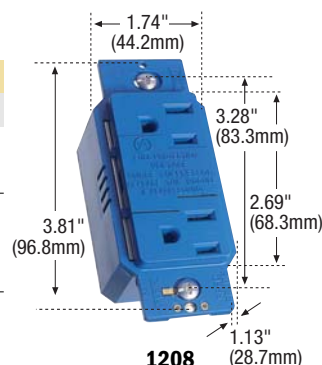
### FEATURES

- Provides surge protection for hot to neutral, hot to ground and neutral to ground.
- Exclusive patented replaceable module restores expired surge protection without interruption of power or need to remove and rewire device.
- Audible alarm signals when surge protection has expired.
- Grounding system fully isolated from common building ground.
- Noise protection against EMI and RFI standard.
- High impact-resistant thermoplastic mounting strap.
- Automatic ground will insure wallplate grounding in properly grounded metal enclosure.
- Standard 6" (152.4mm) leads, stripped 0.50" (12.7mm).

### Commercial Specification Grade Duplex Receptacle

#### Wire Leads

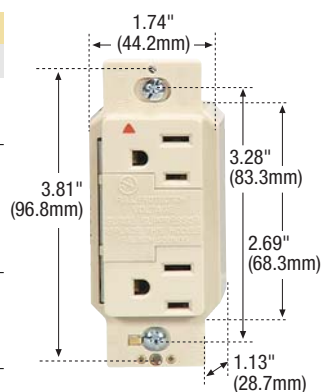
Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	170J/ 150V/AC RMS	12kA per mode	Almond Ivory White	1208A 1208V 1208W
20	125	5-20R	400V	170J/ 150V/AC RMS	12kA per mode	Almond Blue Ivory White	1210A 1210BL 1210V 1210W



### Commercial Specification Grade Duplex Receptacle - Isolated Ground

#### Wire Leads

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	170J/ 150V/AC RMS	12kA per mode	Blue Gray Ivory White	IG1208BL IG1208GY IG1208V IG1208W
20	125	5-20R	400V	170J/ 150V/AC RMS	12kA per mode	Blue Ivory White	IG1210BL IG1210V IG1210W



IG1208

### Replacement Module

Clamping Voltage	Joules/ MCOV	Color	Catalog No.
400	170J/ 150V/AC RMS	Blue Gray Ivory Red White	1209BL 1209GY 1209V 1209RD 1209W



1209



5-15R



5-20R





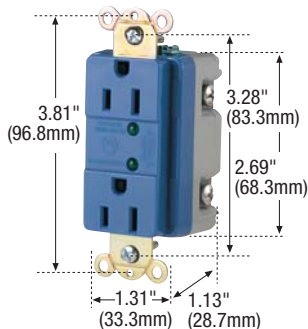
# Commercial Specification Grade Receptacles with LED Indicators

2 Pole, 3 Wire Grounding  
15A 125V  
20A 125V

## Receptacles with LED Indicators

### FEATURES

- Provides surge protection for hot to neutral, hot to ground and neutral to ground.
- High impact thermoplastic construction.
- 8-hole back & side wired.
- Shallow depth for easy installation.
- LED indicators to verify surge protection and ground.



5250

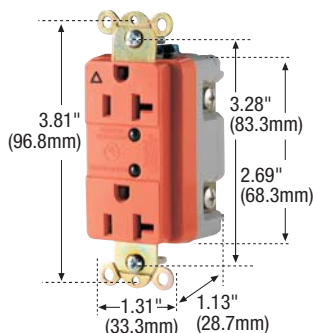
### Receptacles with LED Indicators

#### Back and Side Wire

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory White	5250BLS 5250BS 5250GYS 5250VS 5250WS
20	125	5-20R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory White	5350BLS 5350BS 5350GYS 5350VS 5350WS

### Receptacles with LED Indicators - Isolated Ground

#### Back and Side Wire



IG5350

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Orange White	IG5250BLS IG5250BS IG5250GYS IG5250VS IG5250RNS IG5250WS
20	125	5-20R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Orange White	IG5350BLS IG5350BS IG5350GYS IG5350VS IG5350RNS IG5350WS

INDUSTRIAL  
COMMERCIAL  
RESIDENTIAL

**K-5**  
SURGE  
PROTECTION  
(TVSS)

### TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 (file no. 2369) and UL498 requirements
- CSA Listed (file no. LR7087)

### MATERIAL CHARACTERISTICS

Environmental:  
Flammability per  
UL94 requirements,  
V2 rated.



5-15R



5-20R

# Commercial Specification Grade Receptacles with LED Indicators and Switched Alarms

2 Pole, 3 Wire Grounding  
15A 125V  
20A 125V



INDUSTRIAL  
COMMERCIAL  
RESIDENTIAL

**K-6**  
SURGE  
PROTECTION  
(TVSS)

## Receptacles with LED Indicators and Switched Alarm

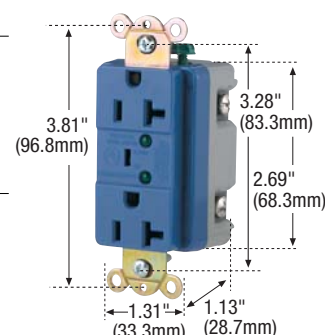
### FEATURES

- Provides surge protection for hot to neutral, hot to ground and neutral to ground.
- High impact thermoplastic construction.
- 8-hole back & side wired.
- Shallow depth for easy installation.
- LED indicators to verify surge protection and ground.
- Audible alarm indicates bad ground connection or surge protection has expired (on models with alarm only).

### Receptacles with LED Indicators & Switched Alarm

#### Back and Side Wire

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory White	5262BLS 5262BS 5262GYS 5262VS 5262WS
20	125	5-20R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory White	5362BLS 5362BS 5362GYS 5362VS 5362WS

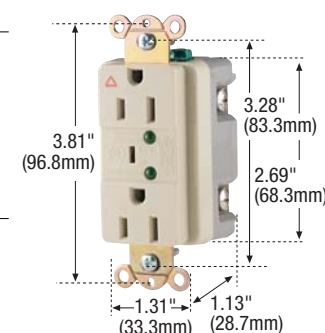


5362S

### Receptacles with LED Indicators & Switched Alarm – Isolated Ground

#### Back and Side Wire

Rating A	V/AC	NEMA	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	5-15R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Orange White	IG5262BLS IG5262BS IG5262GYS IG5262VS IG5262RNS IG5262WS
20	125	5-20R	400V	280J/ 150V/AC RMS	18kA per mode	Blue Brown Gray Ivory Orange White	IG5362BLS IG5362BS IG5362GYS IG5362VS IG5362RNS IG5362WS



IG5262S

### TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 (file 2369) and UL498 requirements
- CSA Listed (file no. LR7087)

### MATERIAL CHARACTERISTICS

Environmental:  
Flammability per UL94 requirements, V2 rated.



5-15R



5-20R



# Surge Protection Adapters

2 Pole, 3 Wire Grounding  
15A 125V Plug-In

## Six Outlet Surge Adapters – Plug-In

### FEATURES

- Provides full three mode surge protection for hot to neutral, hot to ground and neutral to ground (except 1156CG).
- Center mounting screw provided for permanent attachment to receptacle.
- EMI/RFI filtering minimizes line noise
- Made of high impact-resistant thermoplastic for long-term durability.
- Coaxial protection provided with “F” styled connectors.
- Telephone/fax/modem protection provided with RJ11-styled telephone ports (4 wire protection).
- \$5,000 Connected Equipment Warranty on 1161CG, 1162CG and 1177CG.
- \$2,500 Connected Equipment Warranty on 1156CG.



1177CG



1161CG

## Six Outlet Surge Adapters – Plug-in

Rating A	V/AC	Description	Clamping Voltage	Joules/ MCOV	Maximum Surge Current	Color	Catalog No.
15	125	Full Protection	400V	170J/ 150V/AC RMS	12kA per mode	Computer Gray	1177CG
15	125	Full Protection w/ Coaxial Jacks	400V	170J/ 150V/AC RMS	12kA per mode	Computer Gray	1161CG
15	125	Full Protection w/ Telephone Jacks	400V	170J/ 150V/AC RMS	12kA per mode	Computer Gray	1162CG
15	125	Basic Protection	400V	170J/ 150V/AC RMS	12kA per mode	Computer Gray	1156CG

## Surge Protection Power Strip

### FEATURES

- Portable strip provides 7 surge-protected outlets anywhere for stereos, TVs, computers or other electronic-based equipment.
- Full mode surge protection for hot to neutral, hot to ground and neutral to ground.
- Made of high impact-resistant thermoplastic for long-term durability.
- Comes complete with 14/3 SJT 4' (1.22m) portable cord.
- Pilot light on/off switch indicates power to unit.
- Resettable 15 amp circuit breaker.



1176

## Surge Protection Power Strip – Plug-in

Rating A	V/AC	Description	Clamping Voltage	Joules Total	Color	Catalog No.
15	125	Full Protection 7 Outlet with Circuit Breaker	400V	70	Ivory	1176V

INDUSTRIAL  
COMMERCIAL  
RESIDENTIAL

K-7  
SURGE  
PROTECTION  
(TVSS)

### TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 requirements file #E15054
- NOM Certified

### MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.



# Surge Protection Adapters

2 Pole, 3 Wire Grounding  
15A 125V Plug-In



INDUSTRIAL  
COMMERCIAL  
RESIDENTIAL

**K-8**  
SURGE  
PROTECTION  
(TVSS)

## TESTING & CODE COMPLIANCE

- Meets all appropriate UL1449 requirements, file #E15054
- NOM Certified

## MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.

## Three Outlet Surge Adapters

### FEATURES

- Converts one outlet of a standard duplex grounding receptacle to a three outlet surge protector while leaving the other outlet available for other devices not in need of surge protection.
- EMI/RFI filtering minimizes line noise.
- Full three-mode protection: hot-neutral, hot-ground and neutral-ground (except 1163CG).
- Made of high impact-resistant thermo-plastic for long-term durability.
- Ideal for travel to protect laptop computers, portable compact disc players, travel radios and other electronic-based equipment.

### Three Outlet Surge Adapters – Plug-in

Rating A	V/AC	Description	Clamping Voltage	Joules/MCOV	Maximum Surge Current	Color	Catalog No.
15	125	Full Protection	400V	170J/ 150V/AC RMS	12kA per mode	Computer Gray	1183CG
15	125	Basic Protection	400V	170J/ 150V/AC RMS	12kA per mode	Computer Gray	1163CG



1183CG



1163CG