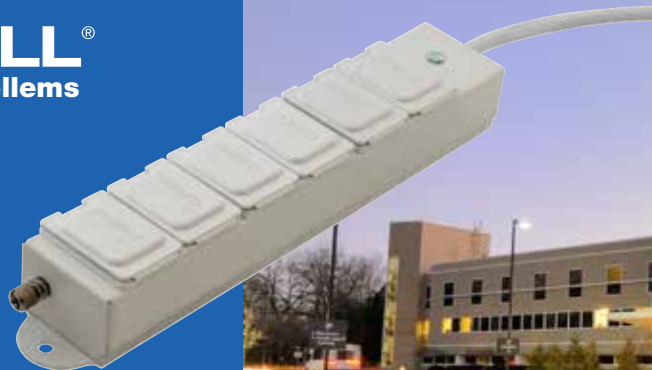


**HUBBELL®**  
Wiring Device-Kellems



# **SPIKESHIELD™**

## **Surge Protective Devices (SPD)**







UL1449 4th Edition

[www.hubbell-wiring.com](http://www.hubbell-wiring.com)

Courtesy of Steven Engineering, Inc - (800) 258-9200 - [sales@steveneng.com](mailto:sales@steveneng.com) - [www.stevenengineering.com](http://www.stevenengineering.com)



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Applications





# Hubbell Surge Protective Devices (SPD)

A cascading approach is encouraged for optimal surge protection of any facility or home. A cascading approach includes surge protection at the service entrance, branch panel and the point-of-use. Hubbell offers a comprehensive selection of panel surge products, innovative surge strips, and the broadest surge receptacle offering in the industry.

## Panel Surge Products

The SpikeShield® line of panel surge protective devices offers a broad selection of products to meet the many requirements of industrial, commercial, institutional, and residential applications. Hubbell offers a complete offering of high quality, cost effective panel surge products.

- All Type 1 and Type 2 panel surge products are UL1449 fourth edition listed.
- Protection levels from 50 kA to 320 kA to handle all real world surge events.
- 160 and 320 kA versions feature bus bar construction, bolt down modules, surge counter and a metallic NEMA 1 enclosure.
- Hubbell's wired-in surge units are ideal for service entrance, branch panel, or point of use applications such as protecting variable speed drives or other sensitive equipment on the plant floor.



## Surge Strip Products

Hubbell SpikeShield surge strip devices feature a wide range of products to handle every application or need. A good-better-best approach to surge protection levels offers products at every price point; this allows customers to choose the proper protection level for their application.

- Hubbell offers the industry's first UL2930 listed HCOA for patient care areas.
- Two USB ports in our four outlet model are ideal for charging devices such as smartphones, MP3 players and GPS devices.
- Yellow high visibility units are ideal for protecting sensitive equipment in areas that require a more robust surge strip.
- Other specialty applications that various products address include telephone line, CATV and satellite protection.
- Many units also accommodate transformer style plugs.



## Surge Receptacles

Hubbell offers a broad range SPD receptacles with technology that is unsurpassed. Inside Hubbell SPD receptacles are two 22mm square MOVs providing 240 joules of surge protection for each mode. The nylon component shield protects the printed circuit board from contaminants. An all-glass, conformally coated PC board provides superior moisture immunity for longer life in humid environments.



## 320kA, 160kA and 120kA Service/Branch Panel Protection

### 320,000 and 160,000 Peak Amp Capacity Type 1 SPD



- Improved performance through the use of a low impedance bus-bar design
- Replaceable surge suppression modules
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator
- UL1449 4th edition



### 120,000 Peak Amp Capacity Type 1 SPD



- Economical, compact, modular design
- Protect branch panels, safety switches and load centers
- Appendage or flush mounted to a finished wall next to the panel
- Surge counter included in all units
- NEMA 3R enclosure
- LED and audible alarm status indicator
- UL1449 4th edition



### Service/Branch Panel Protection 320,000 Peak Amp Capacity (Type 1 SPD)

Voltage V AC	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240 Single phase	1Ph. 3-wire +G	HBL3P320B	HBL3P320DB	HBL160M120B
120/208 Wye*	3Ph. Wye 4-wire +G	HBL4P320B	HBL4P320DB	HBL160M120B
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6P320B	HBL6P320DB	HBL160M240B & HBL160M120B
277/480 Wye**	3Ph. Wye 4-wire +G	HBL8P320B	HBL8P320DB	HBL160M277B
347/600 Wye	3Ph. Wye 4-wire +G	HBL10P320B	HBL10P320DB	HBL160M600B



HBL4P320B

### Service/Branch Panel Protection 160,000 Peak Amp Capacity (Type 1 SPD)

Voltage V AC	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240 Single phase	1Ph. 3-wire +G	HBL3P160B	HBL3P160DB	HBL160M120B
120/208 Wye*	3Ph. Wye 4-wire +G	HBL4P160B	HBL4P160DB	HBL160M120B
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6P160B	HBL6P160DB	HBL160M240B & HBL160M120B
277/480 Wye**	3Ph. Wye 4-wire +G	HBL8P160B	HBL8P160DB	HBL160M277B
347/600 Wye	3Ph. Wye 4-wire +G	HBL10P160B	HBL10P160DB	HBL160M600B



HBL8P160DB

### Service/Branch Panel Protection 120,000 Peak Amp Capacity (Type 1 SPD)

Voltage V AC	Configuration	Catalog Number	Replacement Module
120/240 Single Phase	1Ph. 3-wire +G	HBL3P120B	HBL3P120BM
120/208 Wye*	3Ph. Wye 4-wire +G	HBL4P120B	HBL4P120BM
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6P120B	HBL6P120BM
277/480 Wye**	3Ph. Wye 4-wire +G	HBL8P120B	HBL8P120BM
347/600 Wye	3Ph. Wye 4-wire +G	HBL10P120B	HBL10P120BM



HBL8P120B

Note: Units come standard with Surge Counter.

\*120/208 Wye also applies to 127/220 Wye.

\*\*277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.

# Wired-In Branch Panel Protection, Surge Arrestors and Surge Protective Devices

## Wired-In Branch Panel Protection Type 2 SPD



- 100,000 Peak Amperage Capacity
- Ideal for areas where space is a major consideration
- Can be mounted directly to the panel through a chase nipple connection to reduce lead length and impedance
- NEMA 4X housing
- 200kA SCCR rating
- UL1449 4th edition

## Wired-In Surge Arrestors and Surge Protective Devices Type 1 SPD



- 36,000, 40,000 and 50,000 Peak Amperage Capacity
- Surge arrestors are a low cost solution that may be installed on the line side or load side of the service entrance
- Excellent for OEM applications where size is an important variable
- Single phase wired-in surge protective devices feature a compact design
- NEMA 4X Rated
- UL1449 4th edition



## Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

Service Voltage V AC	Configuration	Catalog Number
120/240 Single Phase	1Ph. 3-wire +G	HBL3W100C
120/208 Wye*	3Ph. Wye 4-wire +G	HBL4W100C
240 Delta	3Ph. Delta 3-wire Corner Gnd <sup>Δ</sup>	HBL5W100C
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6W100C
277/480 Wye**	3Ph. Wye 4-wire +G	HBL8W100C
480 Delta	3Ph. Delta 3-wire Corner Gnd <sup>Δ</sup>	HBL9W100C
347/600 Wye	3Ph. Wye 4-wire +G	HBL10W100C
600 Delta	3Ph. Delta 3-wire Corner Gnd <sup>Δ</sup>	HBL11W100C

Note: \*120/208 Wye also applies to 127/220 Wye.

\*\*277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.

<sup>Δ</sup>Also can be used on ungrounded systems.

## Wired-In Surge Arrestors, Single Phase and Three Phase (Type 1 SPD)

Service Voltage V AC	Configuration	Catalog Number
120/240 Single Phase	1Ph. 3-wire	HBLSDSA36
120/208 Wye*	3Ph. Wye 4-wire	HBL4SA40
240 Delta	3Ph. Delta 3-wire	HBL5SA40
277/480 Wye**	3Ph. Wye 4-wire	HBL8SA40
480 Delta	3Ph. Delta 3-wire	HBL9SA40
347/600 Wye	3Ph. Wye 4-wire	HBL10SA40
600 Delta	3Ph. Delta 3-wire	HBL11SA40

Note: \*120/208 Wye also applies to 127/220 Wye.

\*\*277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.

<sup>Δ</sup>Also can be used on ungrounded systems.

## Wired-In High Quality Surge Protective Device (Type 1 SPD)

Service Voltage V AC	Configuration	Catalog Number
120/240 Single Phase	1Ph. 3-wire + G	HBL3W50



HBL9W100C



HBLSA40



HBLSDSA36



HBL3W50



SNAPConnect® Tamper Resistant Surge Receptacles

- Attractive Flush Fit
- Shallow Box Depth Means More Room for Wiring
- Meets NEC® Code for Tamper Resistant
- SNAPConnect® Eliminates Exposed Live Terminals on the Device



Protection

- Offers 240 joules of protection and 15 kA peak current rating
- Distinctive surge symbol provides quick visual identification
- Surge protection LED indicator flashes when surge protection is lost
- Audible alarm also provides user notification of surge protection loss. Muting screw allows user to turn alarm OFF once replacement has been scheduled

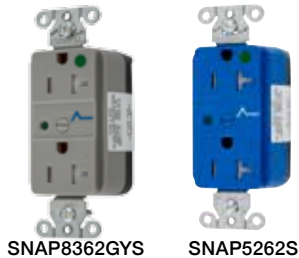


Installation

- SNAPConnect® devices reduce labor time during installation and when being serviced in the future
- Connectors available with solid or stranded leads
- Custom length leads available
- Push on wire option also available on SNAPConnectors

SNAPConnect® TR Surge Protection Receptacle with Power Indicating LED

Color	Hospital Grade ●		Commercial Grade	
	15A 125V	20A 125V	15A 125V	20A 125V
Blue	SNAP8262S	SNAP8362S	SNAP5262S	SNAP5362S
Gray	SNAP8262GYS	SNAP8362GYS	SNAP5262GYS	SNAP5362GYS
Ivory	SNAP8262IS	SNAP8362IS	SNAP5262IS	SNAP5362IS
Light Almond	SNAP8262LAS	SNAP8362LAS	SNAP5262LAS	SNAP5362LAS
Red	SNAP8262RS	SNAP8362RS	-	-
White	SNAP8262WS	SNAP8362WS	SNAP5262WS	SNAP5362WS



SNAPConnect® Right Angle Pigtailed Connector, 600V

Description	Solid	Stranded
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; polycarbonate housing material	SNAP1RA	SNAP2RA



# Surge Receptacles

## SpikeShield® Specification Grade Duplex Receptacle



- Meets UL Standards UL1449 4th Edition and UL498
- Power-on indicator light
- Muting screw allows damage-alert alarm to be silenced until device is replaced
- Distinctive surge symbol provides quick visual identification of surge suppression receptacle
- Available in Hospital Grade and 4-PLEX®
- See page 6 for SNAPConnect® Tamper-Resistant Surge Receptacles



## SpikeShield® Specification Grade Isolated Ground Duplex Receptacle



- IG triangle on the face of the receptacle clearly indicates isolated ground device on the face of the receptacle
- A "Clean" Path Provides A "Clean" Ground For Sensitive Equipment
- Power-on indicator light
- Meets UL Standards UL1449 4th Edition and UL498
- Available in Hospital Grade



## SpikeShield® Specification Grade Receptacles

Description	Color	Commercial Grade		Hospital Grade ●	
		15A	20A	15A	20A
Surge suppression duplex receptacles with light, 240 joules/15000A per mode.	Blue	<b>HBL5260SA</b>	<b>HBL5360SA</b>	—	—
	Ivory	<b>HBL5260ISA</b>	<b>HBL5360ISA</b>	—	—
	Office White	<b>HBL5260OWSA</b>	<b>HBL5360OWSA</b>	—	—
Surge suppression duplex receptacles with light and alarm, 240 joules/15000A per mode.	Almond	<b>HBL5262ALSA</b>	<b>HBL5362ALSA</b>	<b>HBL8262ALSA</b>	<b>HBL8362ALSA</b>
	Blue	<b>HBL5262SA</b>	<b>HBL5362SA</b>	<b>HBL8262SA</b>	<b>HBL8362SA</b>
	Gray	<b>HBL5262GYSA</b>	<b>HBL5362GYSA</b>	<b>HBL8262GYSA</b>	<b>HBL8362GYSA</b>
	Ivory	<b>HBL5262ISA</b>	<b>HBL5362ISA</b>	<b>HBL8262ISA</b>	<b>HBL8362ISA</b>
	Office White	<b>HBL5262OWSA</b>	<b>HBL5362OWSA</b>	—	—
	Red	—	—	<b>HBL8262RSA</b>	<b>HBL8362RSA</b>
	White	<b>HBL5262WSA</b>	<b>HBL5362WSA</b>	<b>HBL8262WSA</b>	<b>HBL8362WSA</b>
	White	<b>HBL5262WSA</b>	<b>HBL5362WSA</b>	<b>HBL8262WSA</b>	<b>HBL8362WSA</b>
Isolated ground, surge suppression duplex receptacles with light and alarm, 240 joules/15000A per mode.	Blue	<b>IG5262SA</b>	<b>IG5362SA</b>	<b>IG8262SA</b>	<b>IG8362SA</b>
	Gray	<b>IG5262GYSA</b>	<b>IG5362GYSA</b>	<b>IG8262GYSA</b>	<b>IG8362GYSA</b>
	Ivory	<b>IG5262ISA</b>	<b>IG5362ISA</b>	<b>IG8262ISA</b>	<b>IG8362ISA</b>
	Office White	<b>IG5262OWSA</b>	<b>IG5362OWSA</b>	—	—
	Orange	<b>IG5262OSA</b>	<b>IG5362OSA</b>	<b>IG8262OSA</b>	<b>IG8362OSA</b>
	Red	—	—	<b>IG8262RSA</b>	<b>IG8362RSA</b>
	White	<b>IG5262WSA</b>	<b>IG5362WSA</b>	<b>IG8262WSA</b>	<b>IG8362WSA</b>
4-PLEX® surge suppression duplex receptacles with lights. 80 joules/6500A per mode.	Blue	<b>HBL415S</b>	<b>HBL420S</b>	—	<b>HBL420HS</b>
	Ivory	<b>HBL415IS</b>	<b>HBL420IS</b>	—	<b>HBL420HIS</b>
	Red	—	—	—	<b>HBL420HRS</b>



HBL5262GYSA



HBL8362ISA



IG8362OSA

## 4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang device boxes (4-PLEX mounts directly to 4" (101.6) square device boxes.)	Blue	<b>HBL4APBL</b>
	Ivory	<b>HBL4API</b>
	Red	<b>HBL4APR</b>
4-PLEX portable box. Portable 4" (101.6) square box with one cord grip. Accepts up to .66" (16.8) diameter cord.	Ivory	<b>HBL4PBI</b>



HBL420S

Note: 4-PLEX® box is not UL Listed.

## UL2930 Health Care Outlet Assembly (HCOA)



UL2930 Listed

Hubbell's UL2930 HCOAs are the industry's first UL listed product for patient care areas. The product is available with or without L-N surge protection.



### Housing Design

- 15A and 20A 125V versions
- Surge protected models in all configurations
- Non-surge protected RPT models in all configurations



### Cord

- 6 ft. or 15 ft. cord length
- 12/3 AWG cord on 15A and 20A models
- 45° angle plug (15A series)
- 90° angle plug (20A series)



### Safety

- Tamper-resistant flip covers
- Green LED indicates surge protection working
- Hospital grade receptacles featuring Hubbell's industry best TR shutter design



### Contacts

- Equipment grounding terminal



### UL2930 Health Care Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA	6	550	6'	White	<b>HBL6MG6</b>	<b>HBL6MG620</b>
UL2930 HCOA with L-N Surge Protection	6	550	15'	White	<b>HBL6MG15</b>	<b>HBL6MG1520</b>
UL2930 HCOA Relocatable Power Tap (RPT)	6	N/A	6'	White	<b>HBL6MGRPT6</b>	<b>HBL6MGRPT620</b>
	6	N/A	15'	White	<b>HBL6MGRPT15</b>	<b>HBL6MGRPT1520</b>

### Healthcare Industry:

- Hospital Grade ● Tamper-Resistant Receptacles with a Hospital Grade ● Plug
- cULus 1449 4th Edition
- Heavy Duty Metal Housing
- Available with a 2-Port USB Charging Outlet

HBL6HGUSB6



HBL6SS620



Listed to UL1449 and UL1363

### Industrial Grade:

- Tamper-Resistant Receptacles with a Heavy Duty Plug
- cULus Listed to UL1449 4th Edition, UL1363
- Heavy Duty Metal Housing

### SpikeShield® Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

Description	# of Outlets	Joule Rating	Cord Length	Color	Healthcare Industry		Industrial Grade	
					15 Amp	20 Amp	15 Amp	20 Amp
UL Type 3 SPD, Heavy Duty Metal Housing	6	1100	6'	White	<b>HBL6HG6</b>	<b>HBL6HG620</b>	<b>HBL6SS6</b>	<b>HBL6SS620</b>
	6	1100	15'	White	<b>HBL6HG15</b>	<b>HBL6HG1520</b>	<b>HBL6SS15</b>	<b>HBL6SS1520</b>
UL Type 3 SPD, Heavy Duty Metal Housing with 2-port USB	4	1100	6'	White	<b>HBL6HGUSB6</b>	—	—	—



# Surge Strips

## Non-Metallic Surge Strips



- Transformer spaced outlet(s)
- 15A resetable push on/off circuit breaker switch
- Power and ground indicating LEDs
- Available with Fax/Modem or Fax/Modem/CATV

## High Visibility Yellow Surge Strips



- Metal housing with wire management and a six foot cord
- Three transformer spaced outlets (two on six outlet model)
- Power on breaker switch
- 350 joules/6.5kA rating
- \$2,500 down line protection warranty\*

## Surge Strip with USB Ports



- Two USB ports for charging electronic devices and four transformer spaced outlets
- Black non-metallic housing with six foot cord and lighted power on switch
- Power and ground indicating LEDs
- Features 90° Angle Plug
- 1050 joules/19.5kA rating
- \$10,000 down line protection warranty\*

## Metallic Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty*	Catalog Number
Metal Power Strip (No surge protection)	6	N/A	N/A	6'	Office White	N/A	<b>HBL6MPS</b>
Metal Power Strip (No surge protection)	6	N/A	N/A	15'	Office White	N/A	<b>HBL6MPS15</b>
Metal SPD	6	1,050	19.5 kA	6'	Office White	\$2,500	<b>HBL6MPS1050</b>
Metal SPD	6	1,050	19.5 kA	15'	Office White	\$2,500	<b>HBL6MPS105015</b>
SPD w/Wire Management	6	350	6.5 kA	6'	Yellow	\$2,500	<b>HBL6PS350YL</b>
SPD w/Wire Management	8	350	6.5 kA	6'	Yellow	\$2,500	<b>HBL8PS350YL</b>

## Non-Metallic Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty*	Catalog Number
Power Strip (No surge protection)	6	N/A	N/A	6'	Office White	N/A	<b>HBL6PPS</b>
SPD	6	350	6.5 kA	6'	Office White	\$2,500	<b>HBL6PS350A</b>
SPD	6	350	6.5 kA	15'	Office White	\$2,500	<b>HBL6PS35015A</b>
SPD w/Fax/Modem	6	1,050	19.5 kA	6'	Office White	\$2,500	<b>HBL6PS1050MA</b>
SPD	7	1,050	19.5 kA	6'	Office White	\$10,000	<b>HBL7PS1050A</b>
SPD w/Fax/Modem	7	1,050	19.5 kA	6'	Office White	\$10,000	<b>HBL7PS1050MA</b>
SPD	7	1,050	19.5 kA	15'	Office White	\$10,000	<b>HBL7PS105015A</b>
SPD w/Fax/Modem/CATV	8	2,100	39 kA	6'	Office White	\$25,000	<b>HBL8PS2100MA</b>

\*See warranty information inside product box for details.

## Surge Strip with USB Port

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty*	Catalog Number
Non-metallic SPD with two USB ports and 90° Angle Plug	4	1,050	19.5 kA	6'	Black	\$10,000	<b>HBL4PS1050USBA</b>

\*See warranty information inside product box for details.



HBL6MPS



HBL6PS350YL



HBL6PS350A



HBL8PS2100MA



HBL4PS1050USBA

## 320kA, 160kA and 120kA Service/Branch Panel Protection (Type 1 SPD)

### Electrical Specifications

320kA Panel	160kA Panel	SCCR <sup>◇</sup>	I <sub>n</sub>	MCOV †	Voltage Protection Rating (VPR)							
					L-N		L-G		N-G		L-L	
					320kA	160kA	320kA	160kA	320kA	160kA	320kA	160kA
HBL3P320B	HBL3P160B	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL4P320B	HBL4P160B	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL5P320B	HBL5P160B	200kA	20kA	320/160	N/A	N/A	1500	1200	N/A	N/A	2000	1500
HBL6P320B	HBL6P160B	200kA	20kA	320/160	1000/1200	900/1500	900/1200	900/1200	800	700	1500	1500
HBL8P320B	HBL8P160B	200kA	20kA	320/160	1500	1200	1500	1200	1200	1200	2000	2500
HBL9P320B	HBL9P160B	200kA	20kA	320/160	N/A	N/A	1800	1800	N/A	N/A	2500	2500
HBL10P320B	HBL10P160B	200kA	20kA	320/160	1500	1500	1500	1500	1500	1500	2500	2500
HBL11P320B	HBL11P160B	200kA	20kA	320/160	N/A	N/A	3000	2500	N/A	N/A	2500	2500

Note: Specification applies to both (B) and (DB) series.

### Product Specifications

Max. Surge Current per Phase:	320kA and 160kA	Terminal Accommodation:	#10 AWG to #2 AWG
Max. Operating Temperature:	-20°F to 149°F (-4°C to 65°C)	Operating Frequency:	50/60 Hz
Diagnostics Indicators:	Push to Test Diagnostics, Red and Green Status LEDs, Dry Contacts, Audible Alarm and Surge Counter	EMI/RFI:	Up to -30dB
		Housing Rating:	NEMA 1
		Listing:	cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition.
Dimensions:	11.04"W x 22.44"H x 7.87"D (320kA); 11.04"W x 20.32"H x 5.32"D (160kA)		
Weight:	37 lbs. Max. (320kA); 27 lbs. Max. (160kA)		

## Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

### Electrical Specifications

Catalog Number	SCCR <sup>◇</sup>	I <sub>n</sub>	MCOV †	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3W100C	200kA	20kA	150/270	900	1200	700	1500
HBL4W100C	200kA	20kA	150/270	900	1200	700	1500
HBL5W100C	200kA	20kA	300	N/A	N/A	N/A	1500
HBL6W100C	200kA	20kA	275/150	1000	1200	700	1500
HBL8W100C	200kA	20kA	320/640	1200	2000	1000	2500
HBL9W100C	200kA	20kA	640	N/A	N/A	N/A	3000
HBL10W100C	200kA	20kA	390/780	1500	2500	1500	3000
HBL11W100C	200kA	20kA	780	N/A	N/A	N/A	3000

### Product Specifications

Max. Surge Current per Phase:	100kA	Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Max. Operating Temperature:	-40°F to 140°F (-4°C to 60°C)	Operating Frequency:	50/60 Hz
Diagnostics Indicators:	Green Status LEDs, Dry Contacts, Audible Alarm	EMI/RFI:	Up to -30dB
		Housing Rating:	Type 4X
		Listing:	cULus UL 1449 4th edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986
Dimensions:	9.9"W x 4.8"H x 3.1"D		
Weight:	4.78 lbs		
		Warranty:	10 year

## Wired-In High-Quality Surge Protective Device, Surge Arrestors, Single Phase and Three Phase (Type 2 SPD)

### Electrical Specifications

Catalog Number	SCCR <sup>◇</sup>	I <sub>n</sub>	MCOV †	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3W50	25kA	10kA	150 (L-N, L-G), 300 (L-L)	700	800	N/A	1200
HBLSDSA36	22kA	10kA	150	700	N/A	N/A	1200
HBL4SA40	200kA	10kA	180 (L-N), 360 (L-L)	700	N/A	N/A	1200
HBL5SA40	200kA	10kA	360 (L-L)	N/A	N/A	N/A	1200
HBL8SA40	200kA	10kA	420 (L-N), 840 (L-L)	1500	N/A	N/A	2500
HBL9SA40	200kA	10kA	840 (L-L)	N/A	N/A	N/A	2500
HBL10SA40	200kA	10kA	510 (L-N), 1020 (L-L)	1800	N/A	N/A	3000
HBL11SA40	200kA	10kA	1020 (L-L)	N/A	N/A	N/A	3000

### Product Specifications

Service Voltage	Single Phase	Single Phase	Three Phase
Max. Surge Current per Phase:	50kA	36kA	40kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)
Diagnostics Indicators:	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	3.0"W x 3.6"H x 2.67"D	2.25"W x 2.25"H x 1.94"D	3.60"W x 3.0"H x 2.64"D
Weight:	1.8 lbs.	.72 lbs.	1.8 lbs.
Terminal Accommodation:	#12 AWG Wire Leads	#14 AWG Wire Leads	#12 AWG Wire Leads
Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
EMI/RFI:	Up to -30dB	Up to -30dB	Up to -30dB
Housing Rating:	Type 4X	Type 4X	Type 4X
Listing:	UL1449 4th edition	UL1449 4th edition	UL1449 4th edition
Warranty:	10 year	2 year	2 year

◇SCCR: Short Circuit Current Rating | † MCOV: Maximum Continuous Operating Voltage | ‡ I<sub>n</sub>: Nominal discharge current

## Surge Protection Receptacles

	Part	Duplex	4-PLEX®
<b>Typical Specification</b>		<b>HBL5262SA/HBL5362SA</b> <b>SNAP5262S/SNAP5362S</b>	<b>HBL4AP</b>
Type-2 Pole, 3 Wire, Grounding	Receptacle	15A/20A	15A/20A
	Top	Nylon	Lexan®
	Base	Nylon	Lexan®
	Power Contact	.031" (.8) Brass	.032" (.8) Brass
	Contact Design	Tandem Modified Bypass	Triple Wipe
Rating-15A, 125V AC/20A, 125V AC	Mounting Strap	.050" (1.3) Steel-Zinc Coated	-
Certification-UL Listed File E2186	Clamping Plate	.031" (.8) Brass	.031" (.8) Brass-Line Terminal Plate
Listed to UL Standards 498 Receptacles			.031" (.8) Brass-Neutral-Terminal Plate
Meets UL1449 4th edition	Terminal Screws	Brass #8-32 (HBL only)	Brass #8-32
	Grounding Screw	Steel (Green) (HBL only)	Brass (Green)
CSA Certified to Specification C22.2 No. 42	Auto Grd. Clip	Stainless Steel	.050" (1.3) Ground Plate
ANSI/IEEE C62.41 (IEEE 587)	Mounting Screws	Steel-Zinc Plated	Brass
Installation Categories "A" (Ring Wave)	LED	Green	Green
"B" (Unidirectional Impulse)	Alarm Muting Screw	Nylon	-
<b>Performance</b>			
<b>Electrical</b>		<b>Duplex/SNAPConnect®</b>	<b>4-PLEX®</b>
Frequency		60Hz	60Hz
Voltage		120V AC + 10%-15%	20V AC + 10%-15%
Response Time		Approximately 5 ns	Approximately 5 ns
Protection Modes		Normal & Common Modes	Normal & Common Modes
Transient Suppression		Peak Energy (10 X 100 µs)	Peak Energy (10 X 100 µs)
Normal Mode (L-N)		240 joules	80 joules
Common Mode (L-G), (N-G)		15000A	6500A
UL Voltage Protection Rating		240 joules	80 joules
EMI/RFI Attenuation at 50 Ohms Normal Mode		600 L-N, 600 L-G, 1000 N-G	600 L-N, 600 L-G, 900 N-G
Operating Temperature		-40 dB	-40°F to 140°F (-40°C to 60°C)
Flammability		32°F to 140°F (0°C to 60°C)	UL 94V-2

## UL2930 Healthcare Outlet Assembly

Electrical Specifications				
	HBL6MG6/15	HBL6MG20/1520	HBL6MGRPT6/15	HBL6MGRPT20/1520
Current	15A	20A	15A	20A
Voltage	125V	125V	125V	125V
Frequency	60Hz	60Hz	60Hz	60Hz
Surge Component	MOV	MOV	n/a	n/a
<b>Performance</b>				<b>Environmental Specifications</b>
UL VPR L-N		600V		Operating -40°F to 160°F
L-G, N-G		n/a		Temperature (-40°C to 70°C)
EMI Noise Filtration:	-11 dB to -68 dB (10kHz to 100MHz)			
In (Nominal Discharge Current)		3kA	n/a	<b>Certifications</b>
MCOV		150V		UL 2930; UL File # E488399;
Peak Current Rating L-N		30KA		RoHS Compliant; NFPA 99 2012 ed;
Leakage Current:		<.1mA		ANSI/IEEE Category A (HBL6MG Series Only)
Total Joules (L-N)		550j		

## SpikeShield® Surge Protective Devices (SPD) with Industrial Grade Tamper-Resistant Receptacles & Heavy Duty Plug

Electrical Specifications		15 Amp HBL6SS/HBL6HG Series	20Amp HBL6SS/HBL6HG Series	Certifications
Current		15A	20A	cULus Listed to UL1449 4th Edition, UL1363 4th Edition
Voltage		125V	125V	UL File # E143272
Frequency		60Hz	60Hz	RoHS Compliant
Surge Component		MOV	MOV	NFPA 99 2012 ed
Over Current Protection		15A CB	20A CB	ANSI / IEEE Category A
2-Port USB (HBL6HGUSB6)		5V DC Type A	n/a	cULus Listed to UL1310 (2-Port USB)
UL VPR		L-N 500V	N-G 600V	
MCOV			150V	<b>Environmental Specifications</b>
Peak Current Rating L-N			30KA	Operating Temperature -40°F to 160°F (-40°C to 70°C)
Leakage Current:			<.5mA	
EMI / RFI Noise Rejection		-11 dB to -68 dB (10kHz to 100MHz)		
Total Joules (all modes)		1100j		

## SpikeShield® Surge Protection Plug Strips

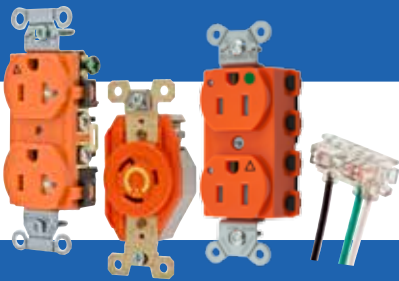
	PS350 Series	MPS350 Series	PS350YL Series	PS1050 Series	Dimensions
<b>Operating Specifications</b>					
Max. Cont. Operating Voltage	130	130	130	130	Series Length Width Height
Operating Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	HBL6PS350/1050 11.2" (284.5) 2.36" (59.9) 1.85" (47.0)
Max Surge Current	6.5 kA	6.5 kA	6.5 kA	19.5 kA	Series & HBL6PPS
Operating Temperature	-----	-40°F to 160°F (-40°C to 70°C)	-----	-----	HBL7PS1050 Series 14.75" (374.7) 2.36" (59.9) 1.85" (47.0)
<b>Performance</b>					HBL6MPS Series 12.25" (311.2) 2.5" (63.5) 1.5" (38.1)
UL Voltage Protection Rating	400V	400V	400V	400V	HBL6PS350YL 14.75" (374.7) 2.5" (63.5) 1.85" (47.0)
MI / RFI Noise Rejection	—	—	—	-20dB	HBL8PS350YL 10.0" (254.0) 6.0" (152.4) 1.85" (47.0)
<b>Downline Warranty*</b>	\$2,500	\$2,500	\$2,500	\$2,500 (6PS1050) \$10,000 (all others)	HBL4PS1050USB 10.38" (263.7) 3.81" (96.8) 1.44" (36.6)

\*See warranty information inside product box for details.

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## Also Available from Hubbell



### Isolated Ground Receptacles

Isolated Ground Receptacles provide a clean noise-free ground. Hubbell's IG Receptacles are available in over 60 types of receptacles, including straight blade duplex, surge and Style Line® decorator, and locking single and locking duplex.



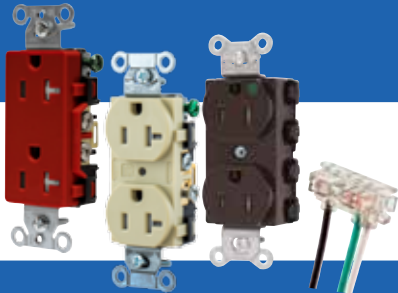
### TrukTrak®

Non-metallic modular cable protectors safeguard electrical cables and cords from vehicle and pedestrian traffic. TrukTrak® is ideal for industrial environments using heavy trucks and fork lifts.



### GFCI Receptacles

Hubbell offers the broadest line of Industrial Grade, Commercial Grade, Self-Test, Tamper-Resistant, and Weather Resistant Ground Fault Receptacles.



### Tamper-Resistant Receptacles

Hubbell's Tamper-Resistant receptacles incorporate internal mechanisms to limit access to energized internal components.



### GFCI Line Cords

Portable GFCI line cords provide ground fault for both indoors and out. Available in either manual or auto set with lengths of 18', 6' and 25' available.



### GFCI Module

The 20A GFCI module can be panel- or box-mounted for protection of downstream wired receptacles or equipment. The GFM20 features a high impact, UV-resistant Type 3R housing with manual set.



### Website Support

The Hubbell Wiring Systems website offers fast convenient information with our online virtual catalog, technical support, literature support and more. The website also offers landing pages for vertical markets and sustainable building. Visit [www.hubbell-wiring.com](http://www.hubbell-wiring.com).

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