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Surge Protection Panels & Wired-In Branch Panels



SpikeShield® Surge Suppression Plug Strips



SNAPConnect® Surge and Isolated Ground Receptacles



Surge Suppression & Isolated Ground Receptacles





Panel Protection

The SpikeShield® line of panel surge protection devices offers a broad selection of products to meet the various requirements of industrial, commercial, institutional and residential applications. No other surge suppression system can meet the flexibility, safety and performance standards set by Hubbell.

Hubbell offers surge protection products which can handle peak amperage capacities of 50kA to 320kA.

The SpikeShield product line also includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

The SpikeShield branch panel protection system includes the complete compact and economical 50, 80, 100 and 120kA series product offering.

These wired-in products can protect branch panels, safety switches and load centers. They can be installed as an appendage or flush mounted to a finished wall next to the panel. The versatility of the wired-in products allows them to be used on branch panels, as well as main panel protection in smaller commercial facilities.





Features	Benefits
Thermal fusing	Thermal fuse prevents the MOVs from overheating when exposed to high current levels.
Compact design with bus-bar pathways	Allows installation in areas with space restrictions. Minimizes connecting lead length which reduces impedance ensuring improved clamping performance.
Peak amp capacity	Protects equipment under the worst electrical conditions.
Bolt-down modules	Assures positive connection and allows for easy replacement.
Fault-current fusing	Prevents excessive panel damage caused by internal short circuits or component failure.
LED and audible alarm status indicator	Provides visual and audible indication of panel status. Green for operational, red for module failure. Audible alarm for module failure with silencing.
Sine wave tracking	Provides uniform clamping throughout the sine wave.

Note: All panel products are UL Listed to Standard 1449-3rd edition.

SpikeShield® Power Quality Products

320kA and 160kA Service/Branch Panel Protection

Ordering Information and Specifications



The SpikeShield® service entrance product line includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

They incorporate a modular (replaceable surge suppression modules) design and feature the latest industry approvals and safety ratings. Including UL 1449-3rd edition.



HBL4P320A



HBL8P160DA

Service/Branch Panel Protection 320,000 Peak Amp Capacity (Type 2 SPD)

Voltage V AC	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240 Single phase	1Ph. 3-wire +G	HBL3P320A	HBL3P320DA	HBL160M120A
120/208 Wye*	3Ph. Wye 4-wire +G	HBL4P320A	HBL4P320DA	HBL160M120A
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6P320A	HBL6P320DA	HBL160M240A & HBL160M120A
277/480 Wye**	3Ph. Wye 4-wire +G	HBL8P320A	HBL8P320DA	HBL160M480A
347/600 Wye	3Ph. Wye 4-wire +G	HBL10P320A	HBL10P320DA	HBL160M600A

Service/Branch Panel Protection 160,000 Peak Amp Capacity (Type 2 SPD)

120/240 Single phase	1Ph. 3-wire +G	HBL3P160A	HBL3P160DA	HBL160M120A
120/208 Wye*	3Ph. Wye 4-wire +G	HBL4P160A	HBL4P160DA	HBL160M120A
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6P160A	HBL6P160DA	HBL160M240A & HBL160M120A
277/480 Wye**	3Ph. Wye 4-wire +G	HBL8P160A	HBL8P160DA	HBL160M480A
347/600 Wye	3Ph. Wye 4-wire +G	HBL10P160A	HBL10P160DA	HBL160M600A

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.

Electrical Specifications

Catalog Number		SCCR ◇	I _n	MCOV †	Voltage Protection Rating (VPR)			
					L-N	L-G	N-G	L-L
HBL3P320A	HBL3P160A	200kA	20kA	150/300	700	700	700	1200
HBL4P320A	HBL4P160A	200kA	20kA	150/300	700	700	700	1200
HBL6P320A	HBL6P160A	200kA	20kA	270/150	1200/700	1200/700	700	1500/1000
HBL8P320A	HBL8P160A	200kA	20kA	320/640	1200	1200	1200	1200
HBL10P320A	HBL10P160A	200kA	20kA	420/840	1500	1500	1500	2500

Note: ◇ SCCR - Short Circuit Current Rating.

† MCOV - Maximum Continuous Operating Voltage.

I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	320kA and 160kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)
Diagnostics:	Red & Green LED's, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Surge Counter
Dimensions (Wye):	6.0"D x 20.0"W x 24.0"L (with Disconnect); 6.0"D x 12.0"W x 12.0"L (without Disconnect)
Dimensions (Delta):	6.0"D x 16.0"W x 20.0"L (with Disconnect); 7.0"D x 14.0"W x 16.0"L (without Disconnect),
Weight (320kA):	54 lbs. (without Disconnect), 57.5 lbs. (with Disconnect)
Weight (160kA):	21.9 lbs. (without Disconnect), 21.8lbs. (with Disconnect)
Terminal Accommodation:	#10 AWG to #2 AWG
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	3R/12 Metallic
Listing:	cULus UL1449-3rd edition type 2 SPD, UL1283, CSA C22.2 NO. 8-M1986
Warranty:	10 year



The SpikeShield® 120kA branch panel product offering features an economical, compact, modular design.

These wired-in products can protect branch panels, safety switches and load centers. They can be installed as an appendage or flush mounted to a finished wall next to the panel. The versatility of the wired-in products allows them to be used on branch panels, as well as main panel protection found in smaller commercial facilities or residential applications.



HBL8P120B

Service/Branch Panel Protection 120,000 Peak Amp Capacity (Type 2 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

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.

Electrical Specifications

Catalog Number	SCCR \diamond	I_n	MCOV \dagger	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3P120B	200kA	20kA	150/270	700	700	700	1200
HBL4P120B	200kA	20kA	150/270	700	700	700	1200
HBL6P120B	200kA	20kA	275/150	1000/700	1000/700	700	1500/1200
HBL8P120B	200kA	20kA	320/640	1200	1200	1200	2000
HBL10P120B	200kA	20kA	390/780	1500	1500	1500	2500

Note: \diamond SCCR - Short Circuit Current Rating.

\dagger MCOV - Maximum Continuous Operating Voltage.

I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	120kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)
Diagnostics:	Red & Green LED's, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Surge Counter
Dimensions:	7.0"D x 14.0"W x 16.0"L
Weight:	21.8 lbs.
Terminal Accommodation:	#12 AWG to #2 AWG
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	3R/12 Metallic
Listing:	cULus UL1449-3rd edition type 2 SPD, UL1283, CSA C22.2 NO. 8-M1986
Warranty:	10 year

SpikeShield® Power Quality Products

Wired-In Branch Panel Protection

100,000 Peak Amperage Capacity



The wired-in surge protection device brick design is ideal for areas where space is a major consideration. The surge unit can be mounted directly to the panel through a chase nipple connection which will reduce lead length and impedance while increasing protection levels.

The 100kA product features a NEMA 4X housing and a 200kA SCCR rating.

They SpikeShield wired-in surge protective devices are UL 1449-3rd edition listed.



HBL9W100C

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 ^Δ	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 ^Δ	HBL9W100C
347/600 Wye	3Ph. Wye 4-wire +G	HBL10W100C
600 Delta	3Ph. Delta 3-wire Corner Gnd ^Δ	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.

^ΔAlso can be used on ungrounded systems.

Electrical Specifications

Catalog Number	SCCR [◇]	I _n	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

Note: [◇] SCCR - Short Circuit Current Rating.

[†] MCOV - Maximum Continuous Operating Voltage.

I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	100kA
Max. Operating Temperature:	-40°F to 140°F (-40°C to 60°C)
Diagnostics:	Green Status LED's, Audible Alarm, Dry Contacts
Dimensions:	3.1"D x 9.9"W x 4.8"H
Weight:	4.78 lbs.
Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	Type 4X
Listing:	cULus UL1449-3rd edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986
Warranty:	10 year

Surge Arrestors are a low cost solution that may be installed on the line side or load side of the service entrance. These are also excellent for OEM applications where size is an important variable.

Hubbell's 50kA single phase wired-in surge protective devices feature a compact design, NEMA 4X rating and are UL 1449-3rd edition listed.



Wired-In Surge Arrestors, Single Phase 36,000 and Three Phase 40,000 (Type 1 / Type 2 SPD)

Service Voltage V AC	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240 Single Phase	1Ph. 3-wire	36kA	Back Nipple Mount	HBLSDSA36
347/600V Max Three Phase	3Ph. 4-wire	40kA	Back Nipple Mount	HBLSDSA40

Wired-In Surge Protective Devices 50,000 Peak Amp Capacity (Type 1 SPD)

Service Voltage V AC	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240 Single Phase	1Ph. 3-wire + G	50kA	Side Nipple Mount	HBL3W50

Electrical Specifications

Catalog Number	SCCR \diamond	I_n	MCOV \dagger	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBLSDSA36	25kA	10kA	150	700	N/A	N/A	1200
HBLSDSA40	200kA	10kA	750/1500	2500	N/A	N/A	4000
HBL3W50	25kA	10kA	150	700	800	N/A	1200
HBL3W120	25kA	10kA	150	700	800	N/A	1200

Note: \diamond SCCR - Short Circuit Current Rating.

\dagger MCOV - Maximum Continuous Operating Voltage.

I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	36kA	40kA	50kA
Max. Operating Temperature:	-40°F to 160°F (-40°C to 70°C)	-40°F to 160°F (-40°C to 70°C)	-40°F to 160°F (-40°C to 70°C)
Diagnostics:	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	1.9"D x 2.25"W x 2.25"H	2.64"D x 3.6"W x 3.0"H	2.7"D x 3.0"W x 3.6"H
Weight:	.72 lbs.	1.8 lbs.	1.8 lbs.
Terminal Accommodation:	#14 AWG Wire Leads	#12 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
NEMA:	Type 4X	Type 4X	Type 4X
Listing:	UL1449-3rd edition	UL1449-3rd edition	UL1449-3rd edition
Warranty:	2 year	2 year	10 year



HBL8ESPS1050M: 1050 joule, 6 foot cord, energy saving unit with master/slave set up. Turns power off to peripherals when item plugged into master is powered off.



HBL7PS1050A: 1050 joule, 6 foot cord, \$5,000 down-line warranty, tamper-resistant shutters.



HBL4PS1050USB: Four outlet, 1050 joule SPD features a black housing, 6 foot cord, 90 degree plug, and two USB ports for charging smart phones and other electronic devices.



HBL8PS350YL: Yellow, high visibility, robust, metal housing, 350 joules, 6 foot cord, wire management feature, \$2,500 down-line warranty.



SpikeShield® Surge Protective Devices



Plug-in Style Surge Outlets

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Warranty	Catalog Number
Single outlet plug-in SPD	1	750	13.5kA	N/A	Off. White	N/A	HBL1PI750
Single outlet plug-in SPD w/phone line protection	1	750	13.5kA	N/A	Off. White	N/A	HBL1PI750M
Single outlet plug-in SPD w/CATV protection	1	750	13.5kA	N/A	Off. White	N/A	HBL1PI750C
Three outlet plug-in SPD	3	750	13.5kA	N/A	Off. White	N/A	HBL3PI750



HBL1PI750 HBL1PI750M



HBL1PI750C HBL3PI750

SpikeShield® Surge Protection Plug Strips



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'	Off. White	N/A	HBL6MPS
Metal SPD	6	1050	19.5kA	6'	Off. White	\$2,500	HBL6MPS1050
SPD w/Wire Management	6	350	6.5kA	6'	Yellow	\$2,500	HBL6PS350YL
SPD w/Wire Management	8	350	6.5kA	6'	Yellow	\$2,500	HBL8PS350YL
Heavy Duty SPD w/HBL5252BK Receptacles	6	900	30kA	6'	Black	N/A	HBL6PS
Heavy Duty SPD w/HBL8200HW Receptacles	6	900	30kA	6'	Black	N/A	HBL6PSHG



HBL6MPS



HBL6PS

Tamper-Resistant 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'	Off. White	N/A	HBL6PPS
SPD	6	350	6.5kA	6'	Off. White	\$2,500	HBL6PS350A
SPD	6	350	6.5kA	15'	Off. White	\$2,500	HBL6PS35015A
SPD	6	350	6.5kA	25'	Off. White	\$2,500	HBL6PS35025A
SPD w/Fax/Modem	6	1050	19.5kA	6'	Off. White	\$2,500	HBL6PS1050MA
SPD	7	1050	19.5kA	6'	Off. White	\$10,000	HBL7PS1050A
SPD w/Fax/Modem	7	1050	19.5kA	6'	Off. White	\$10,000	HBL7PS1050MA
SPD	7	1050	19.5kA	15'	Off. White	\$10,000	HBL7PS105015A
SPD w/Fax/Modem/CATV	8	2100	39kA	6'	Off. White	\$25,000	HBL8PS2100MA
SPD w/Fax/Modem/CATV/DSS	8	2100	39kA	6'	Off. White	\$25,000	HBL8PS2100DA



HBL6PS350YL



HBL6PS350A

Specialty Non-Metallic Surge Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
SPD w/Two USB Ports	4	1050	19.5kA	6'	Black	\$10,000	HBL4PS1050USB*
Remote Switch SPD w/One Keychain Ring Control	6	2100	39kA	6'	Off. White	\$25,000	HBL6RSPS2100
Energy Saving SPD w/Master/Controlled Design w/Fax/Modem	8	1050	19.5kA	6'	Off. White	\$10,000	HBL8ESPS1050M
Energy Saving SPD Master/Controlled Design w/CATV Protection	8	1050	19.5kA	6'	Off. White	\$10,000	HBL8ESPS1050C

Note: See page Tech-10 for Tamper-Resistant description.
 *With 90 Angle Plug.



HBL8PS350YL



HBL6RSPS2100



HBL8ESPS1050M



Meets UL Standards 1449 3rd Edition and 498; CSA Certified

Damage-alert alarm sounds when surge protection is no longer functioning and keeps sounding until the receptacle is replaced or muting screw is utilized

Muting screw allows damage-alert alarm to be silenced until device is replaced

Power-on indicator light verifies instantly that power is available at the receptacle and the suppression circuit is fully functional; light off means power has been interrupted; flashing light indicates surge protection circuitry has been damaged



Distinctive surge symbol provides quick visual identification of surge suppression receptacle. High-impact nylon face resists breakage

Fits standard wall box

Automatic self-grounding staple attached to bridge meets NEC® requirements

IG8362SA

Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.

Surge Protection Receptacles

Hubbell has the broadest offering of SPD receptacles in the industry 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 moisture and contaminants. An all-glass PC board provides superior moisture immunity for longer life in humid environments. Conformal coating is provided on the printed circuit board for additional moisture immunity.

Circuit Guard®, Specification Grade Duplex Receptacles

Description	Color	Catalog Number	
Surge suppression receptacles with light, 240 joules/15000A per mode.	Blue	HBL5260SA	HBL5360SA
	Ivory	HBL5260ISA	HBL5360ISA
	Office White	HBL5260OWSA	HBL5360OWSA
	White	HBL5260WSA	HBL5360WSA
Surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Almond	HBL5262ALSA	HBL5362ALSA
	Blue	HBL5262SA	HBL5362SA
	Gray	HBL5262GYSA	HBL5362GYSA
	Ivory	HBL5262ISA	HBL5362ISA
	Office White	HBL5262OWSA	HBL5362OWSA
	White	HBL5262WSA	HBL5362WSA
Isolated ground, surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	IG5262SA	IG5362SA
	Gray	IG5262GYSA	IG5362GYSA
	Ivory	IG5262ISA	IG5362ISA
	Office White	IG5262OWSA	IG5362OWSA
	Orange	IG5262OSA	IG5362OSA
	White	IG5262WSA	IG5362WSA
4-PLEX® surge suppression receptacles with lights. 80 joules/6500A per mode.	Blue	HBL415S	HBL420S
	Ivory	HBL415IS	HBL420IS

Circuit Guard®, Hospital Grade Duplex Receptacles


Description	Color	Catalog Number	
Surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Almond	HBL8262ALSA	HBL8362ALSA
	Blue	HBL8262SA	HBL8362SA
	Gray	HBL8262GYSA	HBL8362GYSA
	Ivory	HBL8262ISA	HBL8362ISA
	Red	HBL8262RSA	HBL8362RSA
	White	HBL8262WSA	HBL8362WSA
Isolated ground, surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	IG8262SA	IG8362SA
	Gray	IG8262GYSA	IG8362GYSA
	Ivory	IG8262ISA	IG8362ISA
	Orange	IG8262OSA	IG8362OSA
	Red	IG8262RSA	IG8362RSA
	White	IG8262WSA	IG8362WSA
4-PLEX surge suppression receptacles with lights, 80 joules/6500A per mode.	Blue	—	HBL420HS
	Ivory	—	HBL420HIS
	Red	—	HBL420HRS

4-PLEX® Accessories

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

Note: 4-PLEX box is not UL Listed.

Wallplates (Sold Separately)

Configuration	High-Impact Nylon			Plated Steel		Stainless Steel (S/S) Brass	
	Color	Standard	Mid-Size				
 1-Gang	Almond	NPJ26AL	NPJ26AL	Chrome Brass Plated	SCH26 SBP26	Smooth S/S Smooth S/S Smooth Brass	SS26 SSJ26 ▲ SB26
	Blue	—	NPJ26CBL*				
	Blue	—	NPJ26BL				
	Gray	NPJ26GY	NPJ26GY				
	Ivory	—	NPJ26C*				
	Ivory	NPJ26I	NPJ26I				
	Off. White	NPJ26OW	NPJ26OW				
	Orange	NPJ26OIG**	—				
	Red	NPJ26R	NPJ26R				
	White	NPJ26W	NPJ26W				

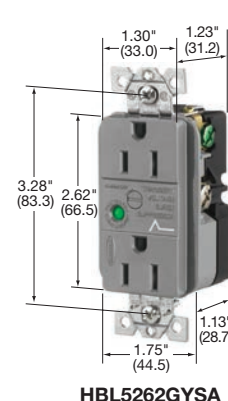
Note: *Premarked "COMPUTER ONLY." Lettering is block 1/4" high.

**Premarked "ISOLATED GROUND." Lettering is block 1/4" high.

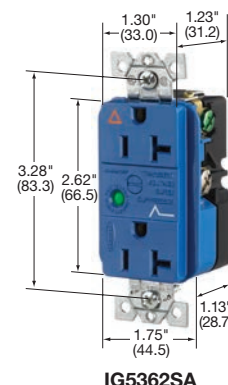
▲ Jumbo size plate.

See section N for additional wallplates.

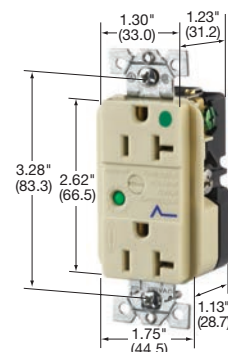
See page M-19 for technical information.



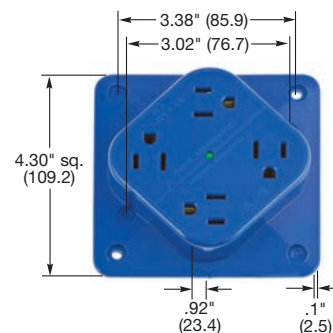
HBL5262GYSA



IG5362SA



HBL8362ISA



HBL415S

Dimensions in Inches (mm)



Surge Suppression Receptacles

SpikeShield® SNAPConnect® tamper-resistant surge receptacles provide excellent point of use protection for sensitive electronic loads from every day power spikes and surges.



Isolated Ground Receptacles

SNAPConnect® Isolated Ground devices provide a clean ground path for sensitive equipment. Devices come with power indication, tamper-resistant or a combination of both.



Immediate Benefits!

Project Timing

- Save Time and Money
- Consistent Installation
- Meet Job Deadlines

Installation Efficiency



- No Stripping
- No Looping/No Tape
- No Exposed Terminals

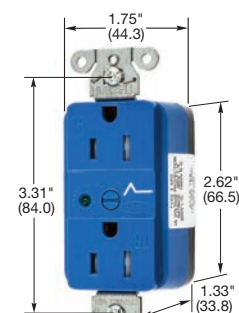
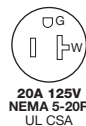
In-Use

- Flush Appearance
- Simple Replacement
- Shallow Box Depth

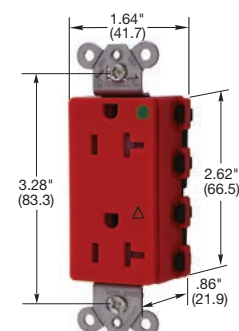


SNAPConnect® Tamper-Resistant Surge Protection Receptacle with Power Indicating LED

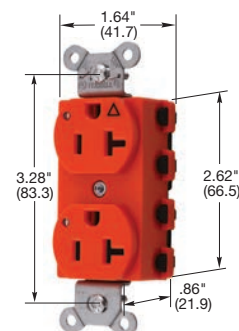
Description	Color	Catalog Number		
Hospital Grade ● SNAPConnect® Tamper-Resistant, surge suppression receptacle, smooth face, duplex.	Blue	SNAP8262S	SNAP8362S	 
	Gray	SNAP8262GYS	SNAP8362GYS	
	Ivory	SNAP8262IS	SNAP8362IS	
	Light Almond	SNAP8262LAS	SNAP8362LAS	
	Red	SNAP8262RS	SNAP8362RS	
Commercial Grade SNAPConnect® Tamper-Resistant, surge suppression receptacle, smooth face, duplex.	White	SNAP8262WS	SNAP8362WS	
	Blue	SNAP5262S	SNAP5362S	
	Gray	SNAP5262GYS	SNAP5362GYS	
	Ivory	SNAP5262IS	SNAP5362IS	
	Light Almond	SNAP5262LAS	SNAP5362LAS	
	White	SNAP5262WS	SNAP5362WS	



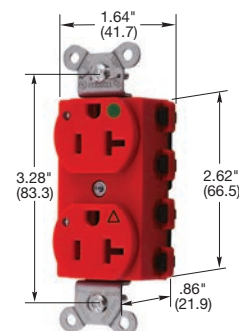
SNAP5262S



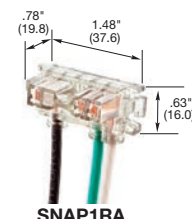
SNAP2182RIGTR



SNAP5362IGL




SNAP8300RIGLTR




SNAP1RA

Dimensions in Inches (mm)



SNAPConnect® Tamper-Resistant Isolated Ground Receptacle

Description	Color	Catalog Number		
Hospital Grade ● SNAPConnect® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	SNAP8200IGTR	SNAP8300IGTR	
	Red	SNAP8200RIGTR	SNAP8300RIGTR	
Hospital Grade ● Style Line® decorator SNAPConnect® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	SNAP2172IGTR	SNAP2182IGTR	
	Red	SNAP2172RIGTR	SNAP2182RIGTR	
Commercial Grade, isolated ground	Orange	SNAP5262IGTR	SNAP5362IGTR	
Style Line® Decorator	Orange	SNAP2152IGTR	SNAP2162IGTR	

SNAPConnect® Isolated Ground Receptacle with Power Indicating LED

Description	Color	Catalog Number		
Hospital Grade ● SNAPConnect® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	SNAP8200IGL	SNAP8300IGL	
	Red	SNAP8200RIGL	SNAP8300RIGL	
Hospital Grade ● Style Line® decorator SNAPConnect® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	SNAP2172IGL	SNAP2182IGL	
	Red	SNAP2172RIGL	SNAP2182RIGL	
Commercial Grade, isolated ground	Orange	SNAP5262IGL	SNAP5362IGL	
Style Line® Decorator	Orange	SNAP2152IGL	SNAP2162IGL	

SNAPConnect® Tamper-Resistant Isolated Ground Receptacle with Power Indicating LED

Description	Color	Catalog Number		
Hospital Grade ● SNAPConnect® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	SNAP8200IGLTR	SNAP8300IGLTR	
	Red	SNAP8200RIGLTR	SNAP8300RIGLTR	
Commercial Grade Style Line® decorator	Orange	SNAP2172IGLTR	SNAP2182IGLTR	
	Red	SNAP2172RIGLTR	SNAP2182RIGLTR	
Commercial Grade, isolated ground	Orange	SNAP5262IGLTR	SNAP5362IGLTR	
Style Line® decorator	Orange	SNAP2152IGLTR	SNAP2162IGLTR	

SNAPConnect® Right Angle Pigtailed Connector for General Use

Description	Solid Wire	Stranded Wire
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2, 600V, Polycarbonate housing material	SNAP1RA	SNAP2RA

Note: See page Tech-10 for Power Indicating and Tamper-Resistant descriptions.
 See page M-19 for SNAPConnect® technical information.

SpikeShield® Power Quality Products

Straight Blade Isolated Ground Receptacles

Features and Benefits



Wrap-around, locked on brass mounting strap provides additional support strength for receptacle assembly

Green grounding screw connected directly to the grounding contacts

Insulation barrier construction — first patented by Hubbell — isolates ground contacts from the mounting strap

Back and side wiring capability provides easy installation with stranded or solid wire

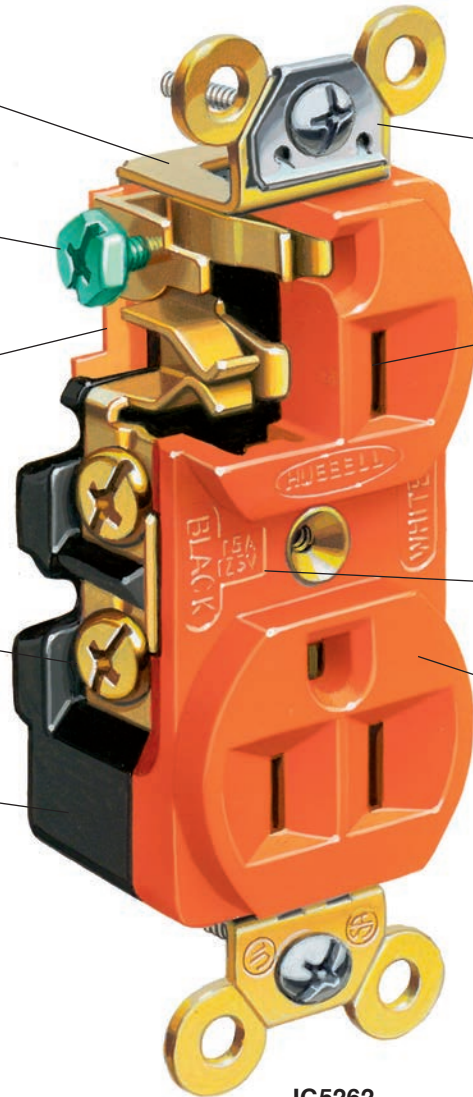
Dimensionally stable, reinforced thermoplastic polyester provides impact strength in addition to heat and flame resistance

Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box

Straight blade 15A and 20A, 125V duplex receptacles are available in a variety of colors

Amperage and voltage clearly indicated

Impact-resistant nylon face



IG5262

Isolated Ground Receptacles, A “Clean” Path Provides A “Clean” Ground For Sensitive Equipment

In February 1968, Hubbell patented the first isolated ground receptacle. Today – when a clean, noise-free ground is more important than ever – Hubbell is still setting the standard.

Hubbell uses insulation barrier construction on many models to isolate the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. In this way, ground contacts are separated from the mounting strap and also from the conventional grounding system. The isolated ground circuit is completed by running a dedicated insulated ground wire from the system ground buss to the green grounding screw.

And there’s more to the Hubbell line:

- Available in 19 NEMA configurations and a total of 60 different type receptacles.
- Versatility and mobility: With Hubbell’s grounding method, Hubbell’s IG devices can be mounted in boxes, on metal panels...almost anywhere.
- Hubbell quality: Every Hubbell IG device meets and exceeds all applicable codes and standards, plus the toughest standard of all...the Hubbell standard of excellence.

IG triangle on the face of the receptacle clearly indicates isolated ground device.



Hospital Grade ●,
HBL® Extra Heavy Duty,
Isolated Ground Receptacles

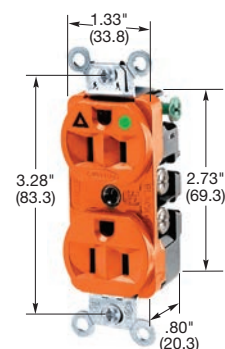
Description	Color	Catalog Number	
Flush, thermoplastic polyester face, duplex, back and side wired, multiple drive screws.	Orange	IG8200	IG8300
	Red	IG8200R	IG8300R
Style Line® decorator.	Orange	—	IG2182
	Ivory	—	IG2182I
	White	—	IG2182WA
Flush, thermoplastic polyester face, single.	Orange	IG8210	IG8310



15A 125V
 NEMA 5-15R
 UL CSA
 0.5 HP



20A 125V
 NEMA 5-20R
 UL CSA
 1 HP



IG8200

15A and 20A, 125V
HBL® Extra Heavy Duty,
Specification Grade,
Isolated Ground Receptacles

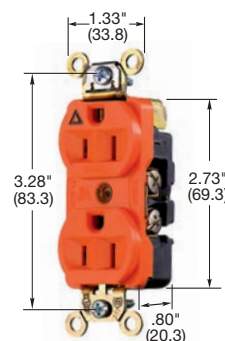
Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange	IG5262	IG5362
	Gray	IG5262GY	IG5362GY
	Ivory	IG5262I	IG5362I
	Red	IG5262R	IG5362R
	White	—	IG5362W
Weather Resistant, duplex, isolated ground.	Orange	IG5262WR	IG5362WR
	Gray	IG5262GYWR	IG5362GYWR
	Ivory	IG5262IWR	IG5362IWR
	Red	IG5262RWR	IG5362RWR
	White	—	IG5362WWR
Finder groove, nylon face, duplex, back and side wired.	Orange	CR5252IG	CR5352IG
	Black	CR5252IGBK	CR5352IGBK
	Blue	—	CR5352IGBL
	Gray	CR5252IGGY	CR5352IGGY
	Ivory	CR5252IGI	CR5352IGI
	Office White	CR5252IGOW	CR5352IGOW
	White	CR5252IGW	CR5352IGW
	—	—	—
Style Line® decorator, flush, nylon face, back and side wired.	Orange	IG2152	IG2162
	Gray	—	IG2162GY
4-PLEX® receptacle.	Orange	IG415	IG420*
Flush, nylon face, single, back and side wired.	Orange	IG5261	IG5361
Weather Resistant, single, Isolated ground.	Orange	IG5261WR	IG5361WR



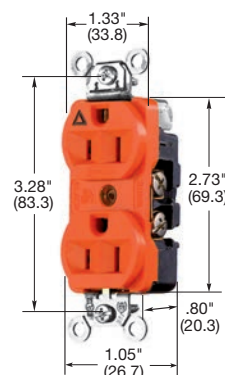
15A 125V
 NEMA 5-15R
 UL CSA
 0.5 HP



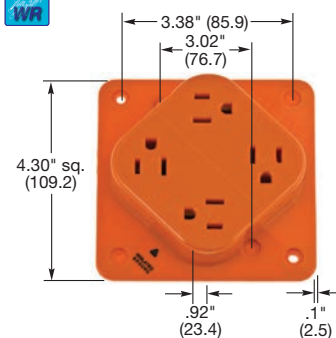
20A 125V
 NEMA 5-20R
 UL CSA
 1 HP



IG5262



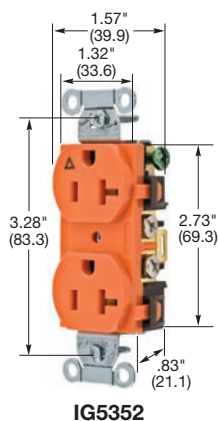
CR5252IG



IG415

Dimensions in Inches (mm)

Note: *Not Fed. Spec. Listed.
 See page Tech-10 for Weather Resistant description.
 See page M-20 for isolated ground technical information.
 See page A-46 and A-47 for accessories.
 See page A-23 for 4-PLEX accessories.



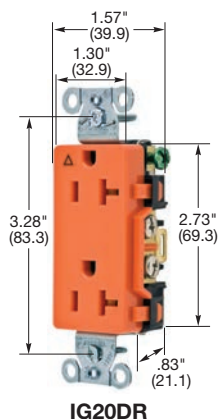
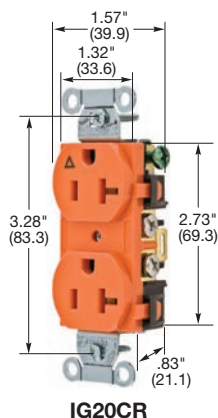
Hubbell-PRO Heavy Duty Specification Grade

Description	Color	Catalog Number	
Smooth face, duplex, back and side wired.	Orange	IG5252	IG5352
	Almond	IG5252AL	IG5352AL
	Gray	IG5252GY	IG5352GY
	Ivory	IG5252I	IG5352I
	Light Almond	IG5252LA	IG5352LA
	White	IG5252W	IG5352W
Tamper-Resistant, smooth face, duplex, back and side wired.	Orange	IG5252TR	IG5352TR
	Ivory	IG5252ITR	IG5352ITR
	White	IG5252WTR	IG5352WTR

Note: See page Tech-10 for Tamper-Resistant description.

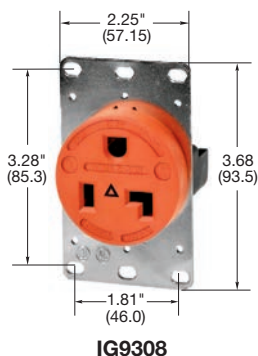
Commercial Specification Grade

Description	Color	Catalog Number	
Smooth face, duplex, side wired.	Orange	IG15CR	IG20CR
	Almond	IG15CRAL	IG20CRAL
	Gray	IG15CRGRY	IG20CRGRY
	Ivory	IG15CRI	IG20CRI
	Light Almond	IG15CRLA	IG20CRLA
	White	IG15CRWHI	IG20CRWHI
Style Line® decorator; smooth face; back and side wired.	Orange	IG15DR	IG20DR
	Almond	IG15DRAL	IG20DRAL
	Gray	IG15DRGRY	IG20DRGRY
	Ivory	IG15DRI	IG20DRI
	Light Almond	IG15DRLA	IG20DRLA
	White	IG15DRWHI	IG20DRWHI



15A and 20A, 250V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles

Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange	IG5662	IG5462
Flush, nylon face, single.	Orange	IG5661	IG5461



30A, 125V and 250V Isolated Ground Receptacles

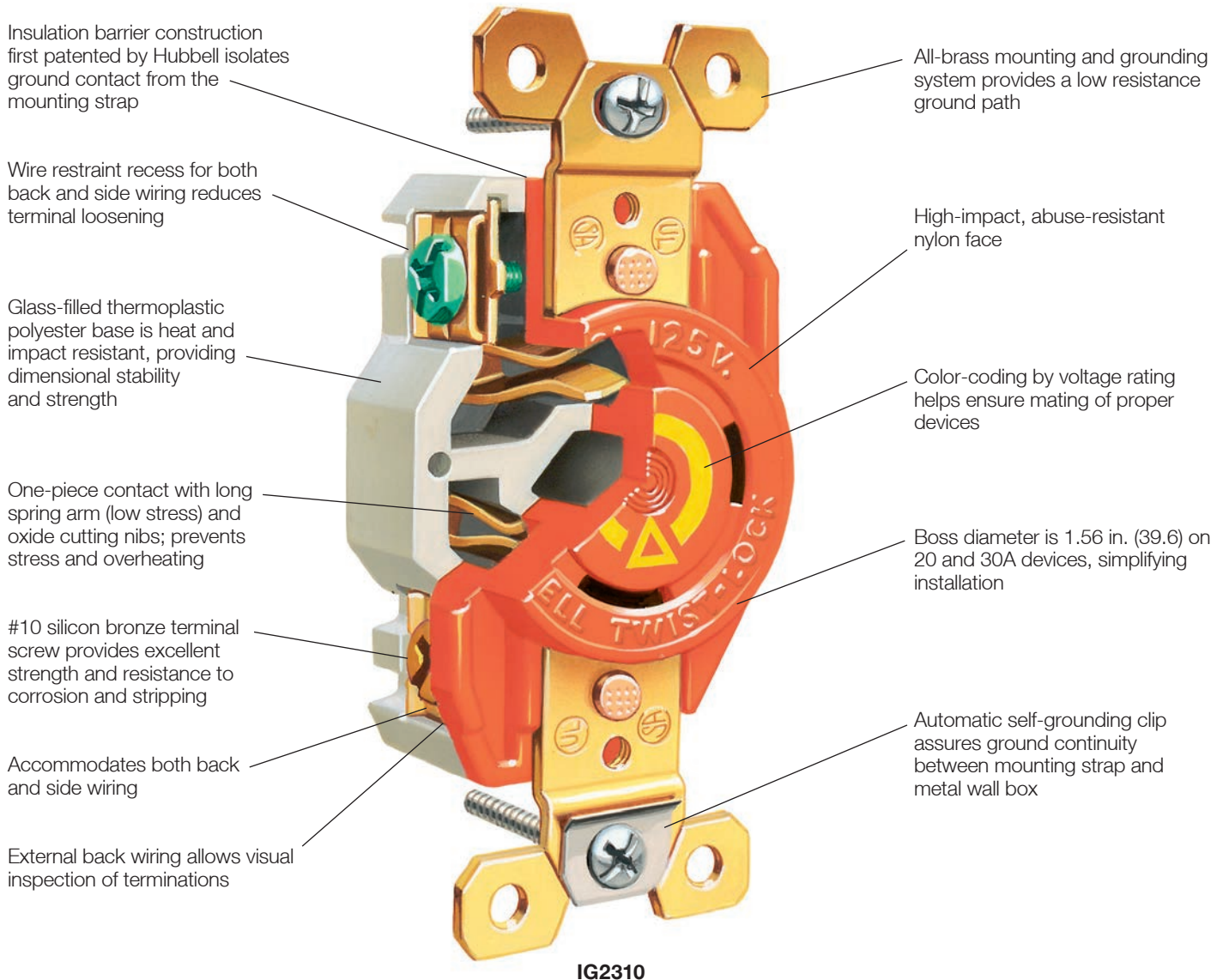
Description	Color	Catalog Number	
Single receptacle, 2 pole, 3 wire grounding.	Orange	IG9308	IG9330

Note: See page M-20 for isolated ground technical information.

IP20
SUITABILITY

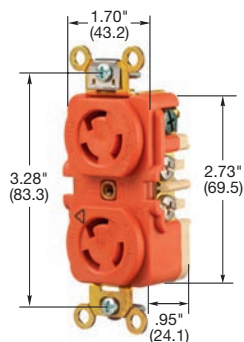
SpikeShield® Power Quality Products Isolated Ground Twist-Lock® Receptacles

Features and Benefits

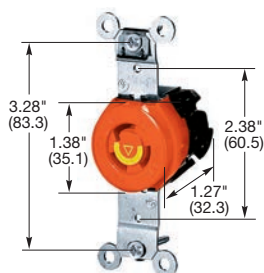


Face color-coding by voltage facilitates locating and mating of proper devices.

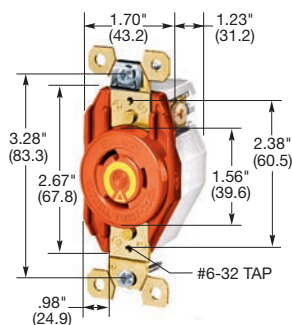




IG4700A



IG4710



IG2310

15A, 125V and 250V Back and Side Wired



15A 125V
NEMA L5-15R
UL/CSA



15A 250V
NEMA L6-15R
UL/CSA

Description	Poles/Wires	Color	Catalog Number	
Flush, RTP face, duplex.	2 pole, 3 wire	Orange	IG4700A*	IG4550A*
Flush, RTP face, single.	2 pole, 3 wire	Orange	IG4710	IG4560

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.
 Supplied with break-off tabs for split circuit wiring.



20A 125V
NEMA L5-20R
UL/CSA
1 HP



20A 250V
NEMA L6-20R
UL/CSA
2 HP



20A 480V AC
NEMA L8-20R
UL/CSA
3 HP

20A, 125V, 250V and 480V AC Back and Side Wired

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	2 pole, 3 wire	Orange	IG2310	IG2320 IG2340



30A 125V
NEMA L5-30R
UL/CSA
2 HP



30A 250V
NEMA L6-30R
UL/CSA
2 HP

30A, 125V and 250V Back and Side Wired

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	2 pole, 3 wire	Orange	IG2610	IG2620



20A 125/250V AC
NEMA L14-20R
UL/CSA
2 (1) HP



20A 3Ø 250V AC
NEMA L15-20R
UL/CSA
3 HP

20A, 125V/250V and 3Ø 250V AC Back and Side Wired

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	IG2410	IG2420



30A 125/250V AC
NEMA L14-30R
UL/CSA
2 (2) HP



30A 3Ø 250V AC
NEMA L15-30R
UL/CSA
3 HP

30A, 125V/250V and 3Ø 250V AC Back and Side Wired

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	IG2710	IG2720



20A 3ØY
120/208V AC
NEMA L21-20R
UL/CSA
2 HP



30A 3ØY
120/208V AC
NEMA L21-30R
UL/CSA
3 HP

20A and 30A, 3ØY 120/208V AC Back and Side Wired

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	4 pole, 5 wire	Orange	IG2510	IG2810

Note: See page M-20 for isolated ground technical information.



SpikeShield® Surge Protection Plug Strips

	PS350 Series	MPS1050 Series	PS350YL Series	PS1050 Series	PS2100 Series	6PS Series	HBLCATC
Operating Specifications							
Max. Cont. Operating Voltage	130	130	130	130	130	130	24Vpk
Operating Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max Surge Current	6.5kA	19.5kA	6.5kA	19.5kA	39.0kA	30.0kA	200
Operating Temperature	----- -40°F to 160°F (-40°C to 70°C) -----						
Performance							
UL Voltage Protection Rating	400V	400V	400V	400V	400V	500V	45V
EMI/RFI Noise Rejection	n/a	n/a	n/a	-20dB	-20dB	-20dB	n/a
Warranty							
Downline Warranty	\$2,500	\$2,500	\$2,500	\$2,500 (6PS1050) \$10,000 (all others)	\$25,000	None	None
Physical Specifications							
Housing Type	ABS	Metal	Metal	ABS	ABS	Metal	ABS
Color	Off. White	Off. White	Yellow	Off. White "USB" version is Black	Off. White	Black	Off. White

Dimensions	Length	Width	Height
HBL6PS350/1050 Series & HBL6PPS	11.2" (284.5)	2.36" (59.9)	1.85" (47.0)
HBL7PS1050 Series	14.75" (374.7)	2.36" (59.9)	1.85" (47.0)
HBL6MPS Series	12.25" (311.2)	2.5" (63.5)	1.5" (38.1)
HBL6PS350YL	14.75" (374.7)	2.5" (63.5)	1.85" (47.0)
HBL8PS350YL	10.0" (254.0)	6.0" (152.4)	1.85" (47.0)
HBL8ESPS Series	10.4" (264.2)	3.8" (96.5)	1.44" (36.6)
HBL6RSPS Series	9.12" (231.6)	4.4" (111.8)	1.68" (42.7)
HBL4PS1050USB	10.38" (263.7)	3.81" (96.8)	1.44" (36.6)

Surge Protection Receptacles

Description	Part	Duplex / SNAPConnect®	4-PLEX®
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 UL1449-2.5	Terminal Screws	Brass #8-32 (Duplex only)	Brass #8-32
	Grounding Screw	Steel (Green) (Duplex only)	Brass (Green)
CSA Certified to Specification C22.2 No. 42	Automatic Self-Grounding 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	–

Performance

Electrical	Duplex / SNAPConnect®		4-PLEX®	
Frequency	60Hz		60Hz	
Voltage	120V AC + 10%–15%		20V AC + 10%–15%	
Response Time	Approximately 5 ns		Approximately 5 ns	
Protection Modes	Normal and Common Modes		Normal and Common Modes	
Transient Suppression	Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs)	Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs)
Normal Mode (L-N)	240 joules	15000A	80 joules	6500A
Common Mode (L-G), (N-G)	240 joules	15000A	80 joules	6500A
UL Voltage Protection Rating	600 L-N, 600 L-G	1000 N-G	600 L-N, 600 L-G	900 N-G
EMI/RFI Attenuation at 50 Ohms Normal Mode	-40 dB			
Operating Temperature	32°F to 140°F (0°C to 60°C)		-40°F to 140°F (-40°C to 60°C)	
Flammability	UL 94V-2		UL 94V-2	



Specifications

Receptacle	Part	Description
Typical Specification – Catalog Number IG5262	Receptacle	15A
Manufacturer's Identification – Hubbell IG5262	Top	Nylon
Description – Isolated Ground, Straight Blade, Duplex Receptacle	Base	PET*
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	0.31" (8) Phosphor Bronze
Rating – 15A, 125V	Wire Clamp	0.062" (1.6) Steel Nickel Plated
Certification – UL Listed, CSA Certified, Fed. Spec.	Mounting Strap	0.050" (1.3) Brass
	Insulator	Nylon
	Terminal Screws	Brass #8-32
	Grounding Screw	Brass (Green)
	Center Assembly-Rivet	Brass
	Automatic Self-Grounding Clip	Stainless Steel
	Flat. Hd. Mtg. Screws	Steel Zinc Plated

Note: *Polyethylene Terephthalate Polyester.

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA C22.2 No. 42 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG standard or solid copper conductor only.
Product Identification	Ratings are permanent part of device.
Environmental – Material	
Flammability	Top: UL 94V-2, Base: UL 94V-0 and UL 94-5 VA.
Operating Temperatures	Maximum continuous 75°C; minimum -40°C/F (w/o impact) maximum (167°F, 75°C).

Specifications

Receptacle	Part	Description
Catalog Number – IG5352, IG15CR, IG15DR	Receptacle	15A
Description – Isolated Ground, Straight Blade Duplex, Receptacle	Top	Nylon
Type – 2 Pole, 3 Wire, Grounding	Base	Nylon
Rating – 15A, 125V	Power Contacts	.030" (.8) Brass
Certification – UL Listed, CSA Certified	Terminal Clamp	.062" (1.6) Nickel Plated Steel
	Grounding Screw	#8-32 Plated Steel, TriDrive
	Mounting Strap	.040" (1) Galvanized Steel
	Auto Ground	Stainless Steel
	Mounting Screws	Zinc Plated Steel, Self-Tapping

Performance

Electrical	
Dielectric Voltage	Withstands 2000V Minimum.
Maximum Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA C22.2 No. 42 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductors only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperatures	Max. continuous: 75°C; Min. continuous: -40°C w/o impact.