

UL2930 Healthcare Facility Outlet Assemblies UL1449 Heavy Duty Surge Protection Devices

HUBBELL[®]
Wiring Device-Kellems

Industrial

Surge Protection

Healthcare



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Healthcare Facility Outlet Assemblies (HCOA) UL2930 Listed

UL2930 Listed



Hubbell HCOA:

- First UL2930 Product Ever Sold
- 15A and 20A 125V Versions
- 6 ft. or 15 ft. Cord Length
- #12/3 AWG Cord
- Surge Protected Models in all Configurations
- Non-Surge Protected RPT Models in all configurations



45° Angle Plug (15A only)

Green LED indicates surge protection working

12/3 SJT
15A and 20A Models

Tamper-Resistant Flip covers

HBL6MG620
Surge Protected HCOA

Ground Terminal

HBL6MGRPT620
RPT HCOA

UL2930 Health Care Outlet Assembly (HCOA)

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
UL 2930 HCOA with L-N Surge Protection	6	6 Ft.	White	HBL6MG6	HBL6MG620
	6	15 Ft.	White	HBL6MG15	HBL6MG1520
UL 2930 HCOA Relocatable Power Tap (RPT)	6	6 Ft.	White	HBL6MGRPT6	HBL6MGRPT620
	6	15 Ft.	White	HBL6MGRPT15	HBL6MGRPT1520

UL2930 HCOA Specifications

	HBL6MG6/15	HBL6MG20/1520	HBL6MGRPT6/15	HBL6MGRPT20/1520
Electrical Specifications				
Current	15A	20A	15A	20A
Voltage	125V	125V	125V	125V
Frequency	60Hz	60Hz	60Hz	60Hz
Surge Component	MOV	MOV	n/a	n/a
Performance				
UL VPR L-N	600V			
L-G, N-G	n/a			
EMI Noise Filtration:	-11 dB to -68 dB (10kHz to 100MHz)			
In (Nominal Discharge Current)	3kA		n/a	n/a
MCOV	150V			
Peak Current Rating L-N	30KA			
Leakage Current:	<.1mA			
Total Joules (L-N)	550j			
Environmental Specifications				
Operating Temperature	-40 F to 160 F (-40 C to 70 C)			

Certifications

UL 2930; UL File # E488399; RoHs Compliant; NFPA 99 2012 ed; ANSI / IEEE Category A (HBL6MG Series Only)

Physical Specifications

Cord	12/3 SJT
Housing	18G Galvanized Steel
Color	White Powder Coat
Receptacles	HG Tamper Resistant
Plug:	15A HG 45 Angle 20A HG 90 Angle
LED (HBL6MG Series only)	Green Power Indicator

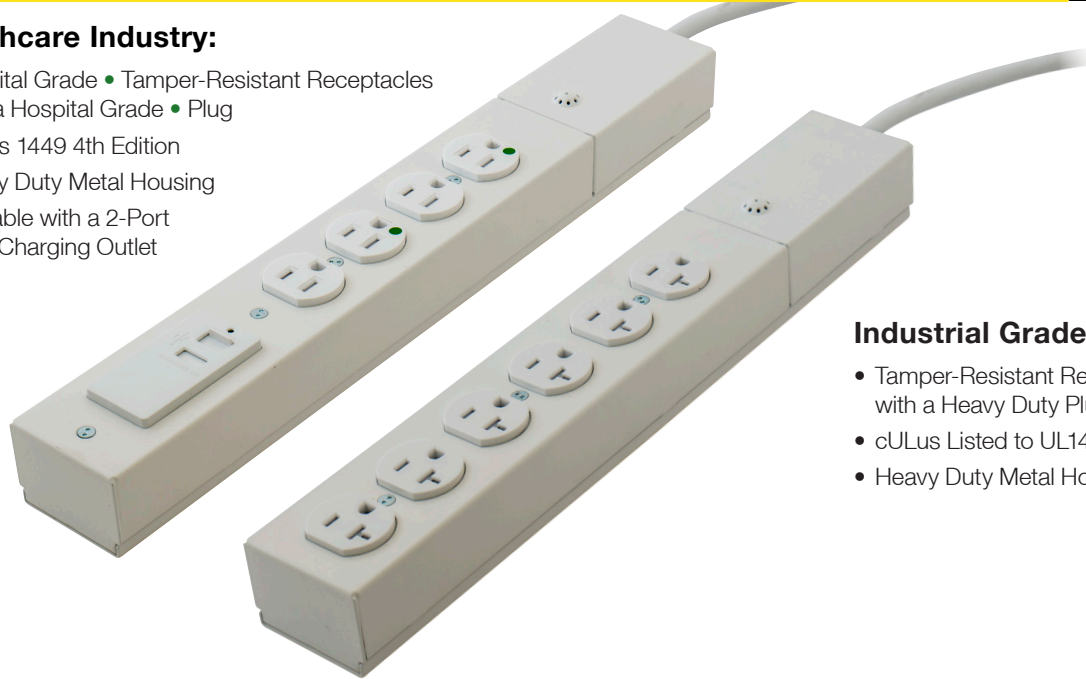
Dimensions

HBL6MG Series:	
Length	16.02" (406.9mm)
Width	2.22" (56.4mm)
Depth	1.92" (48.8mm)
HBL6MGRPT Series:	
Length	12.72" (323.1mm)
Width	2.22" (56.4mm)
Depth	1.92" (48.8mm)

Heavy Duty SpikeShield® Surge Protection for Industrial and Healthcare Applications

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



Listed to UL1449



Industrial Grade:

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

SpikeShield® Surge Protective Devices (SPD) with Hospital Grade • Tamper-Resistant Receptacles and Hospital Grade • Plug

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
Type 3 SPD, Heavy Duty Metal Housing	6	6 Ft.	White	HBL6HG6	HBL6HG620
	6	15 Ft.	White	HBL6HG15	HBL6HG1520
UL Type 3 SPD, Heavy Duty Metal Housing with 2-port USB	4	6 Ft.	White	HBL6HGUSB6	—



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

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
Type 3 SPD, Heavy Duty Metal Housing	6	6 Ft.	White	HBL6SS6	HBL6SS620
	6	15 Ft.	White	HBL6SS15	HBL6SS1520



SpikeShield® SPD Specifications

	15 Amp HBL6SS/HBL6HG Series	20Amp HBL6SS/HBL6HG Series
Electrical Specifications		
Current	15A	20A
Voltage	125V	125V
Frequency	60Hz	60Hz
Surge Component	MOV	MOV
Over Current Protection	15A CB	20A CB
2-Port USB (HBL6HGUSB6)	5V DC Type A	n/a
UL VPR	L-N 500V	L-G 600V
		N-G 600V
MCOV		150V
Peak Current Rating L-N		30KA
Leakage Current:		<.5mA
EMI / RFI Noise Rejection		-11 dB to -68 dB (10kHz to 100MHZ)
Total Joules (all modes)		1100j
Environmental Specifications		
Operating Temperature	-40 F to 160 F (-40 C to 70 C)	

Certifications

cULus Listed to UL1449 4th Edition
UL File # E143272
RoHs Compliant
NFPA 99 2012 ed
ANSI / IEEE Category A
cULus Listed to UL1310 (2-Port USB)

Physical Specifications

HBLH6USB6:		
Length	15.67"	(398.0mm)
Width	2.22"	(56.4mm)
Depth	1.78"	(45.2mm)
HBL6HG Series:		
HBL6SS Series:		
Length	14.42"	(366.3mm)
Width	2.22"	(56.4mm)
Depth	1.70"	(43.3mm)

UL 2930 Healthcare Outlet Assemblies (HCOA)

The follow excerpt was copied from the Underwriters Laboratories website and can be found at:
https://standardscatalog.ul.com/standards/en/outline_2930_1

UL 2930, Outline of Investigation for Cord-and-Plug-Connected Health Care Facility Outlet Assemblies

1 Scope

1.1 These requirements cover indoor-use cord-and-plug-connected Health Care Facility receptacle outlet assemblies (HCOA) rated 250 V AC or less and 20 Amperes or less. HCOA are for use as a movable power supply connection for cord-and-plug-connected medical electrical utilization equipment in accordance with the National Electric Code, NFPA 70, Article 517 Health Care Facilities, and with NFPA 99, Health Care Facilities Code, for use in Category 2 (General Patient Care) Spaces or Category 1 (Critical Patient Care) Spaces, including Patient Care Vicinities equipped with Patient Equipment Grounding Points.

1.2 HCOAs are intended for use with equipment complying with applicable requirements of the:

- a) Standard for Medical Electrical Equipment, Part 1: General Requirements, UL 60601-1;
- b) Medical electrical equipment – Part 1: General requirements for basic safety and essential performance, IEC 60601-1; and
- c) Medical Electrical Equipment – Part 1-2: General Requirements for basic safety and essential performance – Collateral standard: Electromagnetic disturbances – Requirements and tests, ANSI/AAMI 60601-1-2.

1.3 These requirements cover HCOA consisting of an ANSI/NEMA WD 6-configuration Hospital Grade attachment plug and a length of non-detachable flexible cord terminated in an enclosure in which are mounted ANSI/NEMA WD 6-configuration Hospital Grade individual receptacle outlets (duplex or single) which are connected conductively to an integral patient equipment grounding terminal or jack provided for user connection of a discrete grounding path conductor to Patient Equipment Grounding Points, installed in the Patient Care Vicinities of a Health Care Facility.

1.4 An HCOA is not intended for Home Health Care Use.

1.5 These requirements do not cover cord-connected, Relocatable Power Taps (RPT) intended only for indoor use as a temporary extension of a grounding alternating-current branch circuit for general use, covered by the Standard for Relocatable Power Taps, UL 1363. RPT are not suitable for use in Category 2 (General Patient Care) Spaces or Category 1 (Critical Patient Care) Spaces or Patient Care Vicinities.

1.6 These requirements do not cover cord-connected, Special Purpose Relocatable Power Taps (SPRPT); covered by the Outline of Investigation for Special Purpose Relocatable Power Taps, UL 1363A. SPRPT are power distribution components intended to supply power to plug-connected components of a movable equipment assemblies that are rack, table, or pedestal-mounted. SPRPT are intended for use as components of complete equipment assemblies submitted for investigation rather than for direct separate installation in the field. The SPRPT shall be an integral part of the equipment assembly and permanently attached to the equipment assembly only by those qualified to assemble medical electrical equipment systems compliant with Medical electrical equipment – Part 1: General requirements for basic safety and essential performance, IEC 60601-1. SPRPT are not suitable for use in Patient Care Vicinities.

1.7 These requirements do not cover cord-connected, Furniture Power Distribution Units (FPDU), intended for indoor use that provide power for and are intended to be installed in furnishings. FPDU are covered by the Standard for Furniture Power Distribution Units, UL 962A.



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