

Power Quality Products
TVSS Products
Service Entrance
Surge Protection Panels
320,000 Peak Amperage Capacity



HBL8P320D



HBL4P320



HBLSC

Service Entrance Surge Protection Panels
200kA Short Circuit Current Rating

Voltage	Catalog Numbers Less Disconnect	With Disconnect	Replacement Modules
Single Phase 120/240V AC	HBL3P320	HBL3P320D	HBL320M120
3Ø Wye 120/208V AC	HBL4P320	HBL4P320D	HBL320M120
3Ø Delta 240V AC	HBL5P320	HBL5P320D	HBL320M240
3Ø Delta 240/120V AC	HBL6P320	HBL6P320D	HBL320M120 & HBL320M240
3Ø Wye 220/380V AC	HBL7P320	HBL7P320D	HBL320M220
3Ø Wye 277/480V AC	HBL8P320	HBL8P320D	HBL320M277
3Ø Delta 480V AC	HBL9P320	HBL9P320D	HBL320M480
3Ø Wye 347/600V AC	HBL10P320	HBL10P320D	HBL320M347
3Ø Delta 600V AC	HBL11P320	–	HBL320M600

Notes: Surge counter available, catalog number HBLSC.
 For technical information, see page J-16.

Service Entrance Surge Panels

Features	Benefits
Thermal fusing.	Thermal fuse prevents the MOVs from overheating when exposed to high current levels, a patented Hubbell exclusive.
Compact design with bus-bar pathways.	Allows installation in areas with space restrictions. Minimizes connecting lead length which reduces impedance ensuring improved clamping performance.
320kA 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 & 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.

Power Quality Products TVSS Products Specifications

Service Entrance Panel Protection (from page J-4)

HBL-P320 Series

200 kA Short Circuit Current Rating.

	HBL3P320/D	HBL4P320/D	HBL5P320/D	HBL6P320/D	HBL7P320/D	HBL8P320/D	HBL9P320/D	HBL10P320/D	HBL11P320
Operating Specifications									
Voltage	Single Phase 120/240V AC								
Max Cont. Operating Voltage	3Ø Wye 120/208V AC	3Ø Delta 240V AC	3Ø Delta 240/120V AC	3Ø Wye 220/380V AC	3Ø Wye 277/480V AC	3Ø Delta 480V AC	3Ø Wye 347/600V AC	3Ø Delta 600V AC	
Frequency	50/60/400 Hz								
Maximum Surge Current per Phase	320kA								
Maximum Surge Current per Mode	160kA: L-N, L-G, N-G								
Operating Temperatures	-14° to 140° F (-10° to 60° C)								
Diagnostics	Red & Green Status LEDs, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Optional Surge Counter								
Performance									
UL Clamping Voltage	330V	330V	700V	700/400V	700V	800V	1500V	2000V	2000V
ANSI/IEEE C62.41 Clamping Voltage: Category A3	330V	330V	608V	330/504V	492V	580V	728V	576V	1680V
200A(Ringwave) Category B3	382V	382V	720V	382/600V	572V	684V	1168V	776V	1740V
500A(Ringwave) Category C1	412V	412V	800V	412/652V	640V	772V	1520V	912V	1760V
3000A(Impulse) Normal EMI/RFI									
Rejection	Up to -50dB								
Thermal Fusing	Yes								
Fault Current Fusing	200k AIC Fusing Per Mode								
Mechanical Description		Dimensions		Housing Rating		Product Weight Pounds		Terminal Accommodation	
		6.32"D x 16.45"W x 25.25"H		NEMA 12, Metallic		37		#2 AWG /#6 AWG on units with disconnect	
Product Warranty -----10 Year-----									

Service Entrance Panel Protection (from page J-5)

HBL-P160 Series

200 kA Short Circuit Current Rating.

	HBL3P160/D	HBL4P160/D	HBL5P160/D	HBL6P160/D	HBL7P160/D	HBL8P160/D	HBL9P160/D	HBL10P160/D	HBL11P160
Operating Specifications									
Voltage	Single Phase 120/240V AC								
Max Cont. Operating Voltage	3Ø Wye 120/208V AC	3Ø Delta 240V AC	3Ø Delta 240/120V AC	3Ø Wye 220/380V AC	3Ø Wye 277/480V AC	3Ø Delta 480V AC	3Ø Wye 347/600V AC	3Ø Delta 600V AC	
Frequency	50/60/400 Hz								
Maximum Surge Current per Phase	160kA								
Maximum Surge Current per Mode	80kA: L-N, L-G, N-G								
Operating Temperatures	-14° to 140° F (-10° to 60° C)								
Diagnostics	Red & Green Status LEDs, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Optional Surge Counter								
Performance									
UL Clamping Voltage	400V	400V	700V	600/400V	600V	800V	1500V	900V	1700V
ANSI/IEEE C62.41 Clamping Voltage: Category A3	364V	364V	560V	364/588V	564V	600V	1048V	624V	732V
200A(Ringwave) Category B3	480V	480V	592V	480V/792V	720V	772V	1184V	856V	1192V
500A(Ringwave) Category C1	560V	560V	864V	560/864V	832V	960V	1740V	1152V	1980V
3000A(Impulse) Normal EMI/RFI									
Rejection	Up to -50dB								
Thermal Fusing	Yes								
Fault Current Fusing	100k AIC Fusing per mode								
Mechanical Description		Dimensions		Housing Rating		Product Weight Pounds		Terminal Accommodation	
with Disconnect		6.32"D x 16.45"W x 25.25"H		NEMA 12, Metallic		37		#6 AWG	
without Disconnect		4.70"D x 10.50"W x 16.20"H		NEMA 12, Metallic		15		#2 AWG	
Product Warranty -----10 Year-----									

PanelMaster Series (from page J-6)

HBL-PM160 Series

20 kA Short Circuit Current Rating.

	HBL3PM160	HBL4PM160	HBL8PM160
Operating Specifications			
Voltage	Single Phase 120/240V AC		
Max Cont. Operating Voltage	150/300	150/300	320/640
Frequency	50/60/400 Hz		
Maximum Surge Current per Phase	160kA		
Maximum Surge Current per Mode	80kA: L-N, L-G, N-G		
Operating Temperatures	-14° to 140° F (-10° to 60° C)		
Diagnostics	Red & Green Status LEDs, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Optional Surge Counter		
Performance			
UL Clamping Voltage	400V	400V	800V
ANSI/IEEE C62.41 Clamping Voltage: Category A3	330V	330V	580V
200A(Ringwave) Category B3	382V	382V	684V
500A(Ringwave) Category C1	412V	412V	772V
3000A(Impulse) Normal EMI/RFI			
Rejection	Up to -50dB		
Thermal Fusing	Yes		
Fault Current Fusing	200k AIC Fusing per mode		
Mechanical Description		Dimensions	
		5.75"D x 20.12"W x 17.5"H	
Housing Rating		Product Weight Pounds	
NEMA 1, Metallic		27	
Terminal Accommodation		#250 MCM	
Product Warranty -----10 Year-----			

