

320kA and 160kA Service/Branch Panel Protection

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 protection modules) design and feature the latest industry approvals and safety ratings. Including UL1449 4th edition.

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



HBL4P320DB



HBL10P160DB

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

Voltage	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240V AC Single Phase	1Ph. 3-wire +G	-	HBL3P320DB	HBL160M120B
120/208V AC Wye*	3Ph. Wye 4-wire +G	HBL4P320B	HBL4P320DB	HBL160M120B
277/480V AC Wye**	3Ph. Delta 3-wire +G	HBL8P320B	-	HBL160M480B
347/600V AC Wye	3Ph. Wye 4-wire +G	HBL10P320B	HBL10P320DB	-

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

Voltage	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240V AC Single Phase	1Ph. 3-wire +G	-	HBL3P160DB	HBL160M120B
120/208V AC Wye*	3Ph. Wye 4-wire +G	HBL4P160B	HBL4P160DB	HBL160M120B
347/600V AC Wye	3Ph. Wye 4-wire +G	HBL10P160B	HBL10P160DB	HBL160M347B
600V AC Delta	3Ph. Delta 3-wire +G	HBL11P160B	-	-

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.

(1) Not available in stainless steel for 320 and 480 kA

(2) Do not use on undergrounded systems. Systems must be solidly grounded

(3) 208Y/120 series also applies to the following voltage 220Y/127

(4) Can be used on 4-wire or 3-wire grounded wye systems with or without neutral

(5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240

(6) 480 V Delta series also applies to the following voltage 480Y/277V HRG

(7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

Electrical Specifications

320kA Panel	160kA Panel	SCCR \diamond	I_n	MCOV \dagger	Voltage Protection Rating (VPR)							
					L-N		L-G		N-G		L-L	
					320kA	160kA	320kA	160kA	320kA	160kA	320kA	160kA
-	HBL3P160B	200kA	20kA	150V	900	700	900	700	800	600	1500	1000
HBL4P320B	HBL4P160B	200kA	20kA	150V	900	700	900	700	800	600	1500	1000
HBL8P320B	-	200kA	20kA	320V	1500	1200	1500	1200	1200	1200	2000	2500
HBL10P320B	HBL10P160B	200kA	20kA	420V	1500	1500	1500	1500	1500	1500	2500	2500
-	HBL11P160B	200kA	20kA	840V	N/A	N/A	3000	2500	N/A	N/A	2500	2500

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

\diamond SCCR - Short Circuit Current Rating. \dagger MCOV - Maximum Continuous Operating Voltage. I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	320kA and 160kA
Max. Operating Temperature:	-20°F to 149°F (-4°C to 65°C)
Diagnostics Indicators:	Push to Test Diagnostics, Red and Green Status LED's, Dry Contacts, Audible Alarm and Surge Counter
Dimensions:	11.04"W x 22.44"H x 7.87"D (320kA) and 11.04"W x 20.32"H x 5.32"D (160kA)
Weight:	37 lbs. Max. (320kA) and 27 lbs. Max. (160kA)
Terminal Accommodation:	#10 AWG to #2 AWG
Operating Frequency:	50/60 Hz
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.
Warranty:	10 year