

Wired-In Branch Panel Protection

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.

The SpikeShield wired-in surge protective devices are UL1449 4th edition listed.

- 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



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

Service Voltage	Configuration	Catalog Number
120/240V AC Single Phase	1Ph. 3-wire +G	HBL3W100C
120/208V AC Wye*	3Ph. Wye 4-wire +G	HBL4W100C
277/480V AC Wye**	3Ph. Wye 4-wire +G	HBL8W100C
480V AC Delta	3Ph. Delta 3-wire +G	HBL9W100C
347/600V AC Wye	3Ph. Wye 4-wire +G	HBL10W100C
600V AC Delta	3Ph. Delta 3-wire +G	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.

(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

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
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 Indicators:	Green Status LED's, Audible Alarm, Dry Contacts
Dimensions:	9.9"W x 4.8"H x 3.1"D
Weight:	4.78 lbs.
Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Frequency:	50/60 Hz
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
Warranty:	10 year