

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 |
| 240V AC Delta | 3Ph. Delta 3-wire Corner Gnd ^Δ | HBL5W100C |
| 240/120V AC Delta split phase | 3Ph. Delta 4-wire +G 'High Leg' | HBL6W100C |
| 277/480V AC Wye** | 3Ph. Wye 4-wire +G | HBL8W100C |
| 480V AC Delta | 3Ph. Delta 3-wire Corner Gnd ^Δ | HBL9W100C |
| 347/600V AC Wye | 3Ph. Wye 4-wire +G | HBL10W100C |
| 600V AC 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 \diamond | 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: \diamond 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 |