

# B3120-YB

Type 2 Surge Protective Device, 208Y/120 VAC, Three Phase WYE



B Series Type 2 Surge Panel, 208Y/120 VAC, Three Phase WYE, Max Surge Current Rating of 65kA per Mode/130kA per Phase, 200kA Short Circuit Current Rating (SCCR), 20kA I-nominal ( $I_n$ ) Rating, NEMA 4X Rated Enclosure, Thermally Protected MOVs, VPR Performance Data = L-N: 700, L-G: 700, N-G: 600, L-L: 1200, Maximum Continuous Operating Voltage (MCOV): 150V /300V, Plastic Enclosure, LED Status Monitoring, Audible Alarm, UL 1449 Listed, UL 1283 EMI/RFI Filtering, Approximate Lead Length = 18"

UPC Code : 07847700030 4

Country Of Origin : Please Contact Customer Service

- Leviton surge protective devices (SPDs) divert damaging voltage transients, or surges, away from electronic equipment
- Ideal for the branch panel in COMMERCIAL AND INDUSTRIAL APPLICATIONS and the main panel in light commercial applications, the B Series is versatile in its usage
- Code Compliant – in 2020, Article 230.67 of the National Electrical Code® (NEC) updates required all services supplying dwelling units to be provided with a surge protective device (SPD), as an integral part of equipment or located immediately adjacent. **The SPD must be a Type 1 or Type 2 SPD.** The 2023 code expanded the requirements to dormitory units, guest rooms and guest suites of hotels and motels, and areas of nursing homes and limited-care facilities used exclusively as patient sleeping rooms

## Technical Information

### Electrical Specifications

**Connection Type** : #12 AWG

**Frequency** : 50/60Hz

**MCOV** : 150V

**Recommended Circuit Breaker Rating** : 20A

**Short Circuit Current Rating** : 200kA

**Surge Technology** : Thermally Protected MOVs

**Type** : 2

**Voltage Configuration** : 208Y /120 VAC/CA WYE

### Environmental Specifications

**Humidity Range** : 0 to 95% Non-Condensing

**Storage Temperature** : -49°F to 140°F (-45°C to 60°C)

### Enclosure

**Color** : Gray

**Connector** : 3/4" NPT Side Mount Nipple

**Dimensions** : 7.95" x 3.06" x 2.75"

**Enclosure Material** : Polycarbonate

**Mount** : Surface

**NEMA Rating** : NEMA 4X

### Performance Data

**Nominal Discharge Current Rating** : 20kA

**Remote Monitoring** : Form C Dry Contacts, 240V, 2A

**VPR L-G** : 700.0

**VPR L-L** : 1200.0

**VPR L-N** : 700.0

**VPR N-G** : 600.0

Product Features

**Disconnect Switch** : No

**Filtering** : Yes

**Replaceable Modules** : No

**Surge Counter** : No

Standards, Certifications & Compliance

**ANSI/IEEE** : C-62.41.1-2002, C-62.41.2-2002 C-62.45-2002

**CSA** : CSA C22.2 No. 269.1-17, 2017-02

**California Prop 65** : Compliant

**RoHS** : Compliant

**Series** : B Series

**UL** : 1449 5th Edition: 2021, cULus

Warranty

**Warranty** : 5-Year Limited

## Features and Benefits

### Max Surge Current Rating (Surge Capacity)

- The maximum amount of current the device is capable of diverting to ground during a single surge event without performance degradation of more than 10%
- Higher values are better

### Nominal Discharge Current Rating ( $I_n$ )

- The amount of current the device can divert to ground 15 times under specific test conditions and maintain performance levels
- Higher values are better

### Voltage Protection Rating (VPR)

- The maximum voltage a surge protector will let through to connected devices
- Lower values are better

### Short Circuit Current Rating (SCCR)

- The maximum current a device or system can safely withstand for a specified time, or until a specified fuse or circuit breaker opens and clears the circuit

### Maximum Continuous Operating Voltage (MCOV)

-

Maximum line voltage (or V rms) that may be applied to the SPD without damaging the MOV

- A lower MCOV rating allows for a lower VPR, but decreases the life of an MOV

### **Modes of Protection**

- A mode is a path that has an SPD component between two electrical points
- More modes is better
- 7-Mode example:
  - L1-N, L2-N, L3-N, L1-G, L2-G, L3-G, N-G

### **Patents \***

N\_A

This list is provided for patent marking purposes only. A good faith effort is made to maintain the accuracy and completeness of this list. No legal inference should be drawn from the omission of a patent from this list.

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