

X3120-YC

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



UPC Code : 07847758309

Country Of Origin : United States

X Series Type 2 Surge Panel, 208Y/120 VAC, Three Phase WYE, Max Surge Current Rating of 200kA per Mode/400kA per Phase, 200kA Short Circuit Current Rating (SCCR), 20kA I-nominal (I_n) Rating, NEMA 4 Rated Enclosure, Thermally Protected MOVs, VPR Performance Data = L-N: 600, L-G: 600, N-G: 600, L-L: 1000, Maximum Continuous Operating Voltage (MCOV): 150V /300V, Plastic Enclosure, LED Status Monitoring, Audible Alarm, Surge/TOV Counter with Time & Date Stamp, UL 1449 Listed, UL 1283 EMI/RFI Filtering, Approximate Lead Length = 20"

- Leviton surge protective devices (SPDs) divert damaging voltage transients, or surges, away from electronic equipment
- With high levels of protection and advanced features including surge counters and performance monitoring, the X Series are DESIGNED TO PROVIDE THE GREATEST LEVEL OF PROTECTION FOR HOMES OR FACILITIES where surge damage would lead to excessive loss or downtime on expensive machinery
- X Series Advanced TOV/Surge Counter logs event history, statistics, voltage & configuration, rating information, and more
- 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

Frequency : 0-60Hz

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

Enclosure

Color : White

Connector : 3/4"-NPT Side Conduit Fitting

Dimensions : 9.47" x 8.14" x 3.25"

Enclosure Material : Extruded Al

Mount : Surface

NEMA Rating : NEMA 4

Environmental Specifications

Performance Data

Humidity Range : 0 to 95%
Non-Condensing

Storage Temperature : -31°F
to 167°F (-35°C to 75°C)

**Nominal Discharge Current
Rating** : 20kA

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

VPR L-G : 600.0

VPR L-L : 1000.0

VPR L-N : 600.0

VPR N-G : 600.0

Product Features

Disconnect Switch : No

Filtering : Yes

Replaceable Modules : No

Series : X Series

Surge Counter : Surge and
TOV Counter

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

UL : 1449 5th Edition: 2021,
cULus

Warranty

Warranty : 10-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

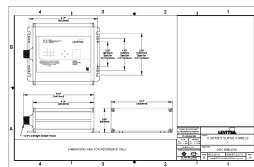
- A mode is a path that has an SPD component between two electrical points
- More modes is better
- 7-Mode example:
 - L1-N, L2-N, L3-N, L1-G, L2-G, L3-G, N-G

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.

Dimensional Drawing



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