

## AC SPD Surge Counter Type 2 EMI Filtered 208/120Vac Wye 100kA/phase

### SP100-T2F-1203Y-LC



#### SP 100 120V Wye

##### Features

- UL 1449 4th Edition Listed, Type 2 SPDs
- UL 1283 Listed, EMI Filtering up to -45dB 10kHz to 100MHz
- High Capacity 100kA MOV Protection
- No External Fuses Required
- Local and Remote Visual Status Indicators
- NEMA 4X Enclosure Rating, Watertight and Corrosion-Proof
- Surge Counter

##### Applications

- Electrical Panelboards
- Communications Base Stations
- Industrial Automation
- Electric Vehicle Charging Stations
- Renewable Energy
- IT & Data Centers
- Automatic Transfer Switches
- Motor Control Centers
- LED Lighting

##### Description

AC surge protector (also known as SPD or lightning protector) SP100-T2F-1203Y-LC from L-com is a UL1449 4th Ed. panel style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 120Vac three-phase wye electrical service. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by safely shunting high amounts of transient energy while maintaining a very low clamping voltage. L-com AC surge protectors are available in stock with same day shipping.

##### Electrical Specifications

| Description                                          | Minimum | Typical     | Maximum | Units |
|------------------------------------------------------|---------|-------------|---------|-------|
| Service Voltages                                     |         | 120         |         | Vac   |
| Service Type                                         |         | Three-Phase |         |       |
| Frequency                                            | 50      |             | 60      | Hz    |
| Maximum Continuous Operating Voltage (MCOV)<br>L - N |         |             | 150     | Vac   |

##### Surge Protection Specification

| Description                           | Minimum | Typical  | Maximum | Units |
|---------------------------------------|---------|----------|---------|-------|
| Surge Protection Technology           |         | MOV      |         |       |
| Protection Modes                      |         | L-N, L-L |         |       |
| 8/20µs Surge Current                  |         |          | 100     | kA    |
| Nominal Discharge Current Rating (In) |         | 20       |         | kA    |
| VPR 8/20µs<br>L - L                   |         |          | 1,200   | Vpk   |
| VPR 8/20µs<br>L - N                   |         |          | 600     | Vpk   |
| Response Time                         |         |          | 25      | ns    |

## AC SPD Surge Counter Type 2 EMI Filtered 208/120Vac Wye 100kA/phase

### SP100-T2F-1203Y-LC



#### Surge Protection Specification

| Description                         | Minimum | Typical | Maximum | Units |
|-------------------------------------|---------|---------|---------|-------|
| SCCR (Short Circuit Current Rating) |         | 200     |         | kAIC  |

#### Mechanical Specifications

|                              |           |             |
|------------------------------|-----------|-------------|
| <b>Size</b>                  |           |             |
| Height                       | 9.84 in   | [249.94 mm] |
| Width                        | 5.91 in   | [150.11 mm] |
| Depth                        | 4.17 in   | [105.92 mm] |
| Weight                       | 4.7 lbs   | [2.13 kg]   |
| Housing Material and Plating | Polyamide |             |

#### Environmental Specifications

|                                 |                    |
|---------------------------------|--------------------|
| Temperature Range (Operational) | -40 to +75 deg C   |
| Temperature Range (Storage)     | -40 to +75 deg C   |
| Environmental Protection Rating | NEMA 4X            |
| Humidity                        | 95% non-condensing |

#### Installation

|                         |                         |
|-------------------------|-------------------------|
| Mount Type              | Wall Mount              |
| Service Wiring Terminal | #10 Electrical Wires to |

#### Compliance Certifications

|                |                            |
|----------------|----------------------------|
| UL Compliant   | Yes                        |
| Certifications | UL 1449 4th Ed.<br>UL 1283 |

AC SPD Surge Counter Type 2 EMI Filtered 208/120Vac Wye 100kA/phase from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/ac-spd-type-2-emi-filtered-208-120vac-wye-100ka-phase-sp100-t2f-1203y-lc-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

SP100-T2F-1203Y-LC CAD Drawing

AC SPD Surge Counter Type 2 EMI Filtered 208/120Vac Wye 100kA/phase

