

AC Surge Protector SPD POWER VANTAGE  
 Panel 120/240 Vac Split-Phase MOV  
 200 kA, UL 1449 5th Ed. Type 2



**B94-00-2040**

**LEA PV 200 120/240-SP-D**

**Features**

- UL1449 5th Ed. Type 1/Type 2
- High Capacity MOV Protection
- Suppression Status LEDs
- Surge Counter
- Audible Alarm
- Dry Contact Remote Annunciation Wire Leads
- Integral Disconnect Switch

**Applications**

- Electrical Panelboards
- Industrial Automation
- Communications Base Stations
- IT & Data Centers
- Switchgear
- Motor Control Centers
- Automatic Transfer Switches
- Wastewater Treatment
- Oil & Gas
- LED Lighting
- Schools
- Hospitals

**Description**

AC surge protector (also known as SPD or lightning protector) B94-00-2040 from Transtector is a UL1449 5th Ed. Type 1/Type 2 panel style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 120/240 Vac split-phase 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. Transtector AC surge protectors are available in stock with same day shipping.

**Electrical Specifications**

| Description  | Minimum | Typical     | Maximum | Units |
|--|---------|-------------|---------|-------|
| Service Voltages                                     |         | 120/240     |         | Vac   |
| Service Type   |         | Split-Phase |         |       |
| Frequency  | 50      |             | 60      | Hz    |
| Maximum Continuous Operating Voltage (MCOV)<br>L - L |         |             | 254     | Vac   |
| Maximum Continuous Operating Voltage (MCOV)<br>L - N |         |             | 127     | Vac   |
| Maximum Continuous Operating Voltage (MCOV)<br>L - G |         |             | 127     | Vac   |
| Maximum Continuous Operating Voltage (MCOV)<br>N - G |         |             | 127     | Vac   |

**Surge Protection Specification**

| Description                 | Minimum | Typical            | Maximum | Units |
|-----------------------------|---------|--------------------|---------|-------|
| Surge Protection Technology |         | MOV                |         |       |
| Protection Modes            |         | L-N, L-L, L-G, N-G |         |       |

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### Surge Protection Specification

| Description                           | Minimum | Typical | Maximum | Units |
|---------------------------------------|---------|---------|---------|-------|
| 8/20µs Surge Current                  |         |         | 200     | kA    |
| Nominal Discharge Current Rating (In) |         | 20      |         |       |
| VPR 8/20µs                            |         |         |         |       |
| L - L                                 |         |         | 1,500   | Vpk   |
| VPR 8/20µs                            |         |         |         |       |
| L - N                                 |         |         | 1,500   | Vpk   |
| VPR 8/20µs                            |         |         |         |       |
| L - G                                 |         |         | 1,500   | Vpk   |
| VPR 8/20µs                            |         |         |         |       |
| N - G                                 |         |         | 1,500   | Vpk   |
| Response Time                         |         |         | 25      | ns    |
| SCCR (Short Circuit Current Rating)   | 100     |         |         | kAIC  |

### Mechanical Specifications

| Size   |        |             |
|--------|--------|-------------|
| Height | 24 in  | [609.6 mm]. |
| Width  | 16 in  | [406.4 mm]  |
| Depth  | 8.9 in | [226.06 mm] |
| Weight | 60 lbs | [27.22 kg]  |

### Environmental Specifications

|                                 |                    |
|---------------------------------|--------------------|
| Temperature Range (Operational) | -40 to +65 deg C   |
| Environmental Protection Rating | NEMA 3R            |
| Humidity                        | 95% non-condensing |

### Installation

|                         |                |
|-------------------------|----------------|
| Mount Type              | Panel          |
| Service Wiring Terminal | #14 to #10 AWG |

### Compliance Certifications

|                                |  |
|--------------------------------|--|
| UL Compliant<br>Certifications | Yes<br>UL 1449 5th Ed. Type 1 or Type 2<br>IEEE Category C High and B Medium |
|--------------------------------|--|

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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [AC Surge Protector SPD POWER VANTAGE Panel 120/240 Vac Split-Phase MOV 200 kA, UL 1449 5th Ed. Type 2 B94-00-2040](https://www.transtector.com/ac-surge-protector-spd-power-vantage-panel-b94-00-2040-p.aspx)

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# B94-00-2040 CAD Drawing

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