Model Number | kA Per Phase | Voltage | Configuration
---|---|---|---
1450-85 | 120kA | 220-240V | 3-Phase, 3-Wire Ungrounded Delta

Warranty
5-years

Available Options
- Surge Counter: Add suffix -S
- Stainless Steel NEMA 4X enclosure: Add suffix -4X
- Dry Relay Contacts come standard

**FEATURES AND BENEFITS**

- Listed by ETL to UL 1449 3rd Edition for a Type 1 SPD application.
- Matrix of individually fused Metal Oxide Varistors (MOVs) housed in replaceable modules.
- Cover lights indicate status of modules.

**AVAILABLE CONFIGURATIONS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>kA Per Phase</th>
<th>Voltage</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1450-85</td>
<td>120kA</td>
<td>220-240V</td>
<td>3-Phase, 3-Wire Ungrounded Delta</td>
</tr>
</tbody>
</table>

**PRODUCT SPECIFICATIONS**

**Electrical**
- Nominal Discharge Current Rating (I-n) 20kA
- Operating Frequency 50–60Hz
- Connection Methods Parallel to load (shunt) Lugs #14–#2 Directly connect or through 60A (min) breaker
- Modes of Protection L-G, L-L
- Fault Rating (SCCR) 100kA IC
- Response Time Less than 1 nanosecond (one per phase)
- Standard Monitoring LED status indicator lights (one per phase)

**Mechanical**
- Weight 33.7 lbs. (15 kg)
- Enclosure Type NEMA 4, 4X
- Installation Location Indoor/Outdoor
- Mounting Method Dual mounting flanges
- Operating Environment -40°F to +185°F (-40°C to +85°C)
- Altitude Up to 16,400 ft. (5000 m)
- Product Design Individually fused MOVs Overcurrent fusing

**Regulatory**
- UL 1449 3rd Edition Type Type 1
- UL 1283 No
- IEEE C62.41.1, .2, C62.45 Yes
- Listed By ETL

---

**Surgitron® 1 1450-85**

**HEAVY DUTY SERVICE ENTRANCE APPLICATIONS**

**MODULAR DESIGN**

---

**Available Configurations**

**Product Specifications**

---

**Surge Protective Devices**

**Heavy Duty Service Entrance Applications**

**Modular Design**

---

**Features and Benefits**

- Listed by ETL to UL 1449 3rd Edition for a Type 1 SPD application.
- Matrix of individually fused Metal Oxide Varistors (MOVs) housed in replaceable modules.
- Cover lights indicate status of modules.
## SURGITRON I PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Model Number</th>
<th>kA Per Phase</th>
<th>Voltage Configuration</th>
<th>Protection Modes</th>
<th>MCOV</th>
<th>UL 1449 3rd Edition 6kV 3000A VPR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1450-85</td>
<td>120kA</td>
<td>220-240V</td>
<td>L-G</td>
<td>320</td>
<td>1000V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>L-L</td>
<td>300</td>
<td>1000V</td>
</tr>
</tbody>
</table>

## DIMENSIONAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dim</th>
<th>Inches (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1</td>
<td>14.75 (374.7)</td>
</tr>
<tr>
<td>H2</td>
<td>15.5 (393.7)</td>
</tr>
<tr>
<td>W1</td>
<td>12.9 (327.7)</td>
</tr>
<tr>
<td>W2</td>
<td>10 (254)</td>
</tr>
<tr>
<td>D</td>
<td>6.2 (157.5)</td>
</tr>
</tbody>
</table>