Surgitron® I
1455-85-M
1455-85-MN

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 (MOV)s 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>1455-85-M</td>
<td>240kA</td>
<td>208/120V</td>
<td>3-Phase Wye, 4-Wire + Ground</td>
</tr>
<tr>
<td>1455-85-MN</td>
<td>240kA</td>
<td>208/120V</td>
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</tr>
</tbody>
</table>

Warranty
5-years

Available Options

- Surge Counter: Add suffix -S
- Stainless Steel NEMA 4X enclosure: Add suffix -4X
- Dry Relay Contacts comes standard on all models

Stand Alone Option

Remote Monitor: 1260-97

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
- Fault Rating (SCCR): 100kAIC
- 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° to +185°F (-40° 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 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>1455-85-M</td>
<td>240kA</td>
<td>208/120V</td>
<td>L-N</td>
<td>150</td>
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</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>10.0 (254)</td>
</tr>
<tr>
<td>D</td>
<td>6.2 (157.5)</td>
</tr>
</tbody>
</table>