DATASHEET

THOMESURGE(P)
Residential Surge Protection Device

Features:
• 36 kA per Phase
• UL 1449 Listed
• 10 kA I-nominal Rating
• 200 kA SCCR
• Meets NEC 2020 Requirements

Product Specifications

General Specifications
- Maximum Surge Current: 36 kA per Phase
- UL Type Designation: Type 1
- UL 1449 I-nominal Rating: 10 kA
- UL 1449 Short Circuit Current Rating: 65 kA

Design Specifications
- Custom MOV design for High Energy Handling in Category C locations
- Thermally Protected MOVs
- External Parallel Connected for Mounting next to Electrical Gear
- Reduced Mode of Protection (L1-N, L2-N)

Diagnostic & Status Monitoring Specifications
- LED Protection Status Monitoring (Single LED Standard)

Enclosure
- Polycarbonate 4.25" × 2.41" × 2.75"
- Lid ultrasonically sealed
- NEMA 4X
- 1/2 inch NPT Side Mount Nipple

Filtering
- NO

Technical data
- Humidity Range: 0 – 95% non-condensing
- Operating Frequency: 50 – 60 Hz
- Operating Temperature: −35°C to +85°C
- Typical Connection: 18" #12 AWG (pre-wired pig tails)

UL 1449 Performance Data

<table>
<thead>
<tr>
<th>System Voltage</th>
<th>L-N</th>
<th>L-G</th>
<th>N-G</th>
<th>L-L</th>
<th>SCCR</th>
<th>MCOV</th>
</tr>
</thead>
<tbody>
<tr>
<td>240/120V Split Ø</td>
<td>700</td>
<td>-</td>
<td>-</td>
<td>1200</td>
<td>200 kA</td>
<td>180</td>
</tr>
</tbody>
</table>

Standards Compliance & Certifications
- 100% Quality Tested prior to shipping
Wiring Configuration

- 2 Hots, 1 Neu, 1 Grnd
- Split
- \( \{V\) Hot (BLK)
- \( \{V\) Neutral (WHT)
- Hot (BLK)
- Ground (GRN)

Size and Mechanical Specifications

- Dimensions: 4.25" × 2.41" × 2.75"
- Weight: 0.46 lbs
- Enclosure Type: Polycarbonate NEMA 4X
- Installation Type: Indoor / Outdoor
- Mounting Method: Flush / Flange / Through-hole

Product Diagram