THOMESURGE(P)
Residential Surge Protection Device

Features:
- 36 kA per Phase
- UL 1449 Listed
- 10 kA I-nominal Rating
- 200 kA SCCR
- 3 Year Standard Warranty
- 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
- System Voltage: L-N, L-G, N-G, L-L, SCCR, MCOV
- 240/120V Split Ø: 700 – 1200, 200 kA: 180

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

<table>
<thead>
<tr>
<th>Split</th>
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<tbody>
<tr>
<td>V Hot (BLK)</td>
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<tr>
<td>V Neutral (WHT)</td>
</tr>
<tr>
<td>Hot (BLK)</td>
</tr>
<tr>
<td>Ground (GRN)</td>
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</table>

2 Hots, 1 Neu, 1 Grnd

**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

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**Product Diagram**

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