Type 1 Surge Protective Devices

Eaton’s Type 1 Surge Protective Device products are UL1449 3rd Edition listed and provide the highest level of surge protection and safety.

**Type 1 surge products** are permanently connected devices that are installed before or after a main disconnect. These devices can be used as replacements for what were previously known as secondary surge arrestors or lightning arrestors.

**Applications Include:**
- Loadcenters/Electrical Panels.
- Residential Service Entrances.
- Sump & Irrigation Pumps.
- Control Cabinets.
- Individual Equipment Disconnects.
- Single & Three Phase Motors.
- Outdoor Lighting.
- Garages.
- Farm / Irrigation Control.
- Other Electrical Assemblies.

**Eaton’s Type 1 Surge Protective Devices:**
- Protect Single Split-Phase and Three-Phase WYE configurations.
- Meet the industry’s highest Nominal Discharge Current and Short Circuit Current ratings available.
- Provide superior protection for sensitive electronics with low Voltage Protection Rating values.
- Offer a 2 Year Product Warranty.

**Features:**
- Commercial grade AC power protection for sensitive electronics.
- Clear, visible LED indication displays protective status of device.
- Can be applied universally to any manufacturer’s equipment.
- Optional accessory kit enables wall or din-rail mounting.
- Suitable for indoor/outdoor applications.

Eaton Powering Business Worldwide
Catalog Reference Chart

All products below have NEMA 4 enclosures and an input power frequency of 50/60Hz. Ratings include: Operating Temperature 20°C through 50°C (-4°F through 122°F), Operating Humidity 5% through 95% - noncondensing, and an Operating Altitude up to 16,000 ft (500m).

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Voltage</th>
<th>Phase</th>
<th>MCOV</th>
<th>VPR</th>
<th>Iₙ</th>
<th>SCCR</th>
<th>Surge Current Capacity, Per Phase Rating</th>
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<tbody>
<tr>
<td>CHSPT1ULTRA</td>
<td>100/200</td>
<td>Single</td>
<td>L-L 300,</td>
<td>L-L 1000</td>
<td>20kA</td>
<td>200kA</td>
<td>50kA</td>
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<tr>
<td></td>
<td>110/220</td>
<td>Split-Phase</td>
<td>L-N 150</td>
<td>L-N 600</td>
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<tr>
<td></td>
<td>120/240</td>
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<tr>
<td>CHSPT1MAX</td>
<td>100/200</td>
<td>Single</td>
<td>L-L 300,</td>
<td>L-L 1000</td>
<td>20kA</td>
<td>200kA</td>
<td>45kA</td>
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<tr>
<td></td>
<td>110/220</td>
<td>Split-Phase</td>
<td>L-N 150</td>
<td>L-N 600</td>
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<tr>
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<td>100/200</td>
<td>Single</td>
<td>L-L 300,</td>
<td>L-L 1000</td>
<td>20kA</td>
<td>200kA</td>
<td>36kA</td>
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<td>Split-Phase</td>
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<tr>
<td>CHSPT1-208Y</td>
<td>100/200</td>
<td>Three-Phase</td>
<td>L-L 300,</td>
<td>L-L 1000</td>
<td>20kA</td>
<td>200kA</td>
<td>50kA</td>
</tr>
<tr>
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<td>110/220</td>
<td>WYE</td>
<td>L-N 150</td>
<td>L-N 600</td>
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</table>

1 MCOV: Maximum Continuous Operating Voltage that may be applied to the device per mode.
2 VPR: Voltage Protection Rating is the measured limiting voltage after a surge event.
3 Iₙ: Nominal Discharge Current is the current that the device can withstand for 15 impulses.
4 SCCR: The amount of current the product can withstand under short-circuit conditions.
5 Surge Current Capacity: The maximum amount of surge current the device can shunt to ground during a surge event on one phase.

Accessories

SP1DINRAILKIT:
- Mounting kit for wall or din-rail installation.

Product Dimensions

For more information please contact your local Eaton sales representative or visit www.eaton.com/surgetrap