Square D™ brand Surgelogic™ SDSA1175 products are compact and affordable Surge Protective Devices (SPDs). SDSA1175 SPDs offer a simple means to bring down initial surges to manageable levels and can offer additional value in a cascaded SPD system. Their compact design allows surge suppression to be installed adjacent to power panels or directly on sensitive equipment.
**SDSA1175 SPDs**

**Features**

**Superior Performance**

Square D brand Surgelogic SDSA1175 SPDs utilize high-energy suppression circuitry that can be located at any point in the electrical system. As a Type 1 rated device, they have the flexibility to be used with or without an Overcurrent Protection Device (OCPD).

SDSA1175 SPDs provide surge suppression for equipment from severe transient activity. Each MOV is individually fused and the products carry a NEMA Type 4X rating suitable for installing indoors, outdoors, or in other harsh environments.

**Easy Installation**

Surgelogic SDSA1175 SPDs are some of the most versatile, yet compact devices available on the market today. This compact package can be mounted on an electrical panel, meter socket, or inside electrical control cabinets.

**Warranty**

The SDSA1175 and SDSA1175T warranty is 2 years.

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### SDSA1175

**Mechanical Description**

<table>
<thead>
<tr>
<th>Modes of Protection</th>
<th>Non-Metallic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure</td>
<td>NEMA Rating Type 4X</td>
</tr>
<tr>
<td>NEMA Rating</td>
<td>Connection Method #14 AWG, Solid</td>
</tr>
<tr>
<td>Connection Method</td>
<td>Weight 0.72 lbs</td>
</tr>
<tr>
<td>Weight</td>
<td>Mounting Method Close Nippled, Back Mounted</td>
</tr>
<tr>
<td>Mounting Method</td>
<td>Thermal Fusing Yes</td>
</tr>
<tr>
<td>Thermal Fusing</td>
<td>Overcurrent Fusing Yes</td>
</tr>
<tr>
<td>Overcurrent Fusing</td>
<td>Operating Frequency 50/60 Hz</td>
</tr>
<tr>
<td>Operating Frequency</td>
<td>Operating Altitude Sea Level-12,000' (3,658 m)</td>
</tr>
<tr>
<td>Operating Altitude</td>
<td>Storage Temperature -40˚ F to +149˚ F</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>Operating Temperature -40˚ F to +149˚ F</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>Operating Humidity 0 to 95% non-condensing</td>
</tr>
</tbody>
</table>

**Diagnostics**

Green status LED

**Listings and Performance**

cULus Listed to 1449 3rd Edition Type 1 SPD, CSA C22.2 No. 8-M1986, C233.1-87

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The SDSA1175 is a three-wire surge suppressor designed for 120/240 Vac services. Two SDSA1175 units can be installed for 208Y/120 Vac services. The SDSA1175T is a two-wire surge suppressor designed for 120 Vac services.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Surge Current per Phase</th>
<th>Configuration</th>
<th>Model Number</th>
<th>MCOV</th>
<th>SCCR</th>
<th>I₀</th>
<th>L-N</th>
<th>L-G</th>
<th>L-L</th>
<th>N-G</th>
</tr>
</thead>
<tbody>
<tr>
<td>120/240V</td>
<td>36kA</td>
<td>1 Ø, 3-wire</td>
<td>SDSA1175</td>
<td>150V</td>
<td>25kA</td>
<td>10kA</td>
<td>700V</td>
<td>N/A</td>
<td>1200V</td>
<td>N/A</td>
</tr>
<tr>
<td>120V</td>
<td>36kA</td>
<td>1 Ø, 2-wire</td>
<td>SDSA1175T</td>
<td>150V</td>
<td>25kA</td>
<td>10kA</td>
<td>700V</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>