Bussmann®Surge3™
Transient Voltage Surge Suppressor

Catalog Symbol: TVS (voltage) (ac or dc) (Diode or Mov)
Voltage Rating: 12Vdc, 24Vdc, 48Vdc
120Vac, 240Vac
Agency Information: UL Recognized (UL 1449) for ac products
(UL 497B) for dc products
CSA Approved

Catalog Numbers:
TVS12DCD  TVS24DCD  TVS48DCD
TVS120ACD  TVS120ACM  TVS240ACD
TVS240ACM

Material Specifications:
Suppressor: Case: 20% glass filled PES (Polyethersulfone)
Terminals: 110 Copper
Terminal Plating: Electroless Tin

Holder: Case: 15% glass filled PBT (Polybutylene terephthalate)
Interface Clips: CDA 7025
Interface Clip Plating: Electroless Tin
Contact Lubricant: Fluoroether Grease
Box Lug: Copper
Din Rail Springs: Stainless Steel

Instructions and Specifications: Surge3 Surge Suppressor

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<th>Model</th>
<th>Voltage Application*</th>
<th>MCOV</th>
<th>Technology</th>
<th>SVR 500A, 8x20µs</th>
<th>Surge Current Rating</th>
<th>UL</th>
<th>Label Color</th>
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<tbody>
<tr>
<td>TVS12DCD</td>
<td>12Vdc</td>
<td>14Vdc</td>
<td>SASD</td>
<td>36Vdc</td>
<td>2kA</td>
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<td>SASD</td>
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<td>140Vac</td>
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<td>600Vac</td>
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<td>TVS240ACM</td>
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<td>280Vac</td>
<td>MOV</td>
<td>800Vac</td>
<td>18kA</td>
<td>UL1449</td>
<td>Grey</td>
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*Courtesy of Steven Engineering, Inc.-230 Ryan Way, South San Francisco, CA 94080-6370-Main Office: (650) 588-9200-Outside Local Area: (800) 258-9200-www.stevenengineering.com
**Bussmann®Surge™**

**Transient Voltage Surge Suppressor**

**Product Specifications:**
1. All TVSS devices have non-polarized electrical connections as shown.
2. Suppressor Voltage Characteristics per chart.
3. Suppressor to provide non-interrupted service.
4. Enclosure material is 94VO flame and explosion resistant.
5. Product markings show manufacturer, part number and safety warnings as required.
6. Mechanical dimensions as noted.
7. Suppressor Status LED as shown.
8. Remote Suppressor Status contact face as shown, (contact pin provided), Live Electrical Power When TVSS Energized. *(Not available on 240V).*
9. AC units operate on either 50 or 60 Hz.

**Status LED**
- OFF - Suppressor Non-Operational (power may be on)
- GREEN - Suppressor Operational (power on)

**Power Terminals**
- 14 awg - 4 awg
- Dual 10 awg

**Mechanical Dimensions:**
- 1.000" x 1.125" x 2.125"
- 1.5" x 2.625"