OEM Models

Introduction
Since 1980, Eaton’s Innovative Technology has provided Surge Protective Devices (SPDs) to power quality equipment users around the world. Whatever your electrical surge protection need may be, Eaton’s Innovative Technology has a Surge Protective Device to fill it!

General Features
- Description — Series configured, terminal strip or hardwire connected, Surge Protective Devices
- Application — 4 – 20 mA current loops, signal lines and low speed data lines feeding transducers, flow meters, leak detectors and similar field sensor applications
- Warranty — 5-Year Free Replacement
- Manufacturer Qualifications — ISO® 9001:1994 Quality System Certification BSI FM 30833

Mechanical and Electrical Features
- Enclosure — ABS Plastic, UL® 94V-0
- Connection
  – Lines: wire clamping box terminal strips
  – Ground: lug with wire clamping box terminal
- Weight — ~1 lb (0.45 kg)
- Operating Temperature — -40°F (-40°C) to +140°F (+60°C)
- Circuit Design — Encapsulated, series configuration, multistage

Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Test Mode</th>
<th>MCOV (VPK)*</th>
<th>B3/C1 Impulse Vave 6 kV, 3 kA</th>
<th>IEC 801-5A Impulse Wave 10 x 700 2 kV</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM-D22TX-6D-LF</td>
<td>L-L</td>
<td>75</td>
<td>23</td>
<td>8</td>
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<tr>
<td>OEM-D22TX-24D-LF</td>
<td>L-L</td>
<td>30</td>
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<tr>
<td>OEM-D22TX-48D-LF</td>
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<td>55</td>
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<tr>
<td>OEM-D33TW-24D</td>
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<td>L-L</td>
<td>30</td>
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* All lines must be positive with respect to ground.
**Introduction**

Since 1980, Eaton’s Innovative Technology has provided Surge Protective Devices (SPDs) to power quality equipment users around the world. Whatever your electrical surge protection need may be, Eaton’s Innovative Technology has a Surge Protective Device to fill it!

**General Features**

- **Description** — Conduit mounted, Surge Protective Devices in parallel or in-line configurations, packaged in 316 stainless steel
- **Application** — 4 – 20 mA current loops, signal lines and low speed data lines feeding transducers, flow meters, water level monitors, control circuits and a variety of similar field sensor, OEM and signal applications
- **Warranty** — 5-Year Free Replacement
- **Manufacturer Qualifications** — ISO 9001:1994 Quality System Certification BSI FM 30833

**Mechanical and Electrical Features**

- **Enclosure** — Type 316L 1/2” (12.7 mm) diameter stainless steel conduit pipe and cap models with NPT threads
- **Connection** — #18 AWG (0.8 mm²) tinned copper wire
- **Weight** — ≈1 lb (0.45 kg)
- **Operating Temperature** — -40°F (-40°C) to +140°F (+60°C)
- **Circuit Design** — multi-stage, encapsulated, series configuration
- **Protection Modes** — L-L (normal mode), L-G (common mode)
- **Input Power Frequency** — dc – 2 MHz
- **Data Rate** — Up to 200 kbps
- **Response Time** — ≤1 nanosecond per conductor
- **Maximum Continuous Operating Current** — 300 mA
- **Peak Surge Current** — 10 kA per mode
- **Series Resistance** — 20 Ohms/line

**Performance Data**


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<th>B3/C1 Impulse Vave 6 kV, 3 kA</th>
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<tr>
<td>OEM-D24-6, 6C</td>
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<td>L-G</td>
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</tbody>
</table>

* Measured Limiting (Let-Through) Voltage Test Environment: Static, positive polarity. All voltages are peak (±10%).

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**Eaton Corporation**
**Innovative Technology TVSS Products**
1000 Cherrington Parkway
Moon Township, PA 15108-4312
USA
Phone: 1-800-525-2000
Web: www.itvss.com

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