Introduction
Since 1980, Eaton 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 Innovative Technology has a Surge Protective Device to fill it!

General Features
- Peak Surge Current — 48 kA per phase; 24 kA per mode
- ANSI/IEEE C62.41 Location Categories — A and B
- Application — Medium to Low Exposure Level, sensitive, mission critical load applications including: distribution panels, branch panels and critical load centers.
- Warranty — 20-Year Free Replacement
- Agency Listings — Compliant to UL® 1449 3rd Edition
- Manufacturer Qualifications — ISO® 9001:1994 Quality System Certification BSI FM 30833

Mechanical and Electrical Features
- Enclosure — Powder Coated Steel, weatherproof; NEMA® Type 4 (IP66)
- Connection — #10 (6 mm²) stranded wire
- Weight — PTX = 7 lbs (3kg)
- Operating Temperature — -40 to 149°F (-40 to 65°C)
- Protection Modes — All Mode L-N, L-L (normal mode), L-G, N-G (common mode)
- Input Power Frequency — 47 – 420 Hz, -SD optioned units: 47 – 64 Hz
- Response Time — ≤1 nanosecond

Note: Ideal for applications utilizing a ground fault circuit interrupting (GFCI) main breaker

Optional Features and Equipment
- Audible Alarm, Surge Counter and Phase Loss Monitor (S.M.A.R.T.) — (-SD suffix)
- Stainless Steel, Type 4X enclosure — (-SS suffix) (contact factory, minimum quantities apply)
- Integrated Circuit Breaker (-C suffix)
- Integrate Circuit Breaker with External Disconnect (-CD suffix)
**Note:** Flush mount plate available: 6 x 4 enclosure = ZPLATE-3A.

### Performance Data

#### ANSI/IEEE C62.41-1991 Measured Limited Voltage*

<table>
<thead>
<tr>
<th>PTX048</th>
<th>PTE048</th>
<th>System Config</th>
<th>Nominal System Voltage</th>
<th>MCOV</th>
<th>L-N</th>
<th>L-G</th>
<th>L-HIL</th>
<th>L-N</th>
<th>L-G</th>
<th>L-HIL</th>
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<tr>
<td>1P101</td>
<td></td>
<td>Single-Phase 2w+grnd</td>
<td>100, 110, 120, 127</td>
<td>150</td>
<td>530</td>
<td>540</td>
<td>940</td>
<td>1060</td>
<td>980</td>
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<tr>
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<td>200, 208, 220, 230, 240, 277</td>
<td>320</td>
<td>1000</td>
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<td>1530</td>
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<td>Split-Phase 3w+grnd</td>
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<td>100/175, 110/190, 120/208, 127/220</td>
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<td>220/380, 230/400, 240/415, 277/480</td>
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<td>420/840</td>
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<td>120/240</td>
<td>150/320</td>
<td>540</td>
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<td>940</td>
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<td>3-Phase Δ (Hi-Leg) 4w+grnd</td>
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* Test environment: All tests performed with 6" lead length, positive polarity. Voltages are peak ±10%. Measurements are taken from zero reference per NEMA LS-1.

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