# GROUND-FAULT COMPARISON SHEET

<table>
<thead>
<tr>
<th>Features</th>
<th>SE-701</th>
<th>A-B 1409</th>
<th>C-H GFU or P&amp;C 11K</th>
<th>Skymatic GFR-3</th>
<th>MGFR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Status</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trip LED</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Trip Inhibit (Class I/Class II)</td>
<td>11xCT-Primary Rating</td>
<td>Yes</td>
<td>10 A Max.</td>
<td>No</td>
<td>3 Models Only</td>
</tr>
<tr>
<td>Power-On LED</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Outputs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Analog Output</td>
<td>0 - 5 V</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Output Contacts</td>
<td>Isolated N.O. and N.C.</td>
<td>Form C</td>
<td>Isolated N.O. and N.C.</td>
<td>2-Form C</td>
<td>Form C</td>
</tr>
<tr>
<td>Failsafe/Non-Failsafe Operation</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-A Secondary CTs</td>
<td>Yes</td>
<td>Special</td>
<td>No</td>
<td>Yes</td>
<td>Special</td>
</tr>
<tr>
<td>1-A Secondary CTs</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Sensitive Nickel Core</td>
<td>50 mA-4.95 A</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Set-Point Range</td>
<td>1%-99% of CT-Pri Rating</td>
<td>1 A - 6 A</td>
<td>10 mA - 6.4 A</td>
<td>0.25 A - 30 A³</td>
<td>10 mA - 1200 A³</td>
</tr>
<tr>
<td>Trip Times</td>
<td>50 ms - 2.5 s</td>
<td>50 ms</td>
<td>50 ms - 3.15 s¹</td>
<td>50 ms</td>
<td>Inst. - 5 s³</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Surface Mount</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Panel Mount</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Din Rail Mount</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td><strong>Other Features</strong></td>
<td></td>
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<tr>
<td>Microprocessor Based</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Functional Test Switch</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Reset Switch/Single Shot</td>
<td>Yes/Yes</td>
<td>Yes/No</td>
<td>Yes/No</td>
<td>No/No</td>
<td>Yes/No</td>
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<tr>
<td>Remote Reset/Single Shot</td>
<td>Yes/Yes</td>
<td>No/No</td>
<td>No/No</td>
<td>Yes/No</td>
<td>No/No</td>
</tr>
<tr>
<td>Size</td>
<td>75 x 55 x 115 (mm)</td>
<td>90 x 154 x 111 (mm)</td>
<td>75 x 100 x 70 (mm)</td>
<td>50 x 70 x 100 (mm)</td>
<td>160 x 108 x 120 (mm)</td>
</tr>
<tr>
<td>Discrere Fourier Transform (DFT) Algorithm</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>CT Detection on EFCT Series CT</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C +60°C</td>
<td>0°C +65°C</td>
<td>-35°C +66°C</td>
<td>-10°C +55°C</td>
<td>0°C +70°C</td>
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<tr>
<td><strong>Tests</strong></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>CSA/UL</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>ANSI/IEEE C37.90.1 - 1989</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

¹ 3 Models
² 6 Models
³ 6 Models
⁴ Trips or alarms on the fundamental and filters out harmonics