SPECIFICATION

Customer Title: XiDi Technology
Manufacture Model: SCT-013-030
Product Name: Split-core current transformer

Characteristics:
- Open size: 13mm × 13mm
- Input current: 0-30A
- Output voltage: 0-1V
- Turn ratio: 1800:1
- Resistance grade: Grade B
- Non-linearity: ±1%
- Work temperature: -25℃ ~ +70℃
- Dielectric strength: 1500V AC/1min 5mA (between shell and output)

Outline size diagram: (in mm)

- Front View
- Side View
- Schematic Diagram

Typical table of technical parameters:

<table>
<thead>
<tr>
<th>Input Current</th>
<th>Output Voltage</th>
<th>Non-linearity</th>
<th>Build-in Sampling Resistance (R_l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30A</td>
<td>0-1V</td>
<td>±1%</td>
<td>62Ω</td>
</tr>
<tr>
<td>Turn Ratio</td>
<td>Resistance Grade</td>
<td>Work Temperature</td>
<td>Dielectric Strength (between shell and output)</td>
</tr>
<tr>
<td>1800:1</td>
<td>Grade B</td>
<td>-25℃ ~ +70℃</td>
<td>1500V AC/1min 5mA</td>
</tr>
</tbody>
</table>

Customer Sign: 

Beijing YaoHuadechang Electronic Co., Ltd
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Contact Name: Engineer Chen

Approve Sign: Chen Jianping

2011-7-21
Characteristic:
Opening size 13mm x 13mm, Compatible to foreign products, leading wire 1 metre, standard Φ3.5 three core plug output, current & voltage two types of output. (Patent No. ZL 2015 3 0060067.X)

Technical indicators:
Hanging installation, leading wire output
Fire resistance property: UL94-V0
Standard: GB1208-2006
Work temperature: -25°C ~ +70°C
Storage temperature: -30°C ~ +90°C
Work voltage: 660V
Frequency range: 50Hz-1KHz
Dielectric strength: 3.5KV 50Hz 1min

Electric parameter:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated input (rms)</td>
<td>30 A</td>
</tr>
<tr>
<td>Max. Input</td>
<td>60 A</td>
</tr>
<tr>
<td>Rated output</td>
<td>1 V</td>
</tr>
<tr>
<td>Turns ratio</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 1 %</td>
</tr>
<tr>
<td>Linearity</td>
<td>≤ 0.2 %</td>
</tr>
<tr>
<td>Phase error</td>
<td></td>
</tr>
<tr>
<td>max: Sampling resistance</td>
<td>Ω</td>
</tr>
<tr>
<td>Weight</td>
<td>50 g</td>
</tr>
</tbody>
</table>

Characteristic curve in different load volt-ampere:

Wiring diagram:

Built-in with sampling resistance voltage output type

Outline size diagram (in mm):

Standard 3.5 audio jack

Front view

Side view

Standard three core jack schematic diagram