GE
Grid Solutions

Model JKC-3
Indoor Current Transformer, 10 A to 1,200 A, 50/60 Hz
5,000 V, BIL 60 kV

Application
Designed for indoor service; suitable for operating meters, relays, and control devices.

ANSI Meter
Accuracy Classification, 60 Hz
Meter Class Burden
B-0.1, B-0.2, and B-0.5; all models........ 0.3

ANSI Relay
Accuracy Classification
Relay Class; all models ......................T50

Weight
(approximate, in pounds)
Transformer.................................18/16 lbs

Reference Drawings
Accuracy Curves:
10-300 and 600 A .......................9689241690
400, 800 and 1200 A..................9689241700
Excitation Curve .....................9689241472
Outline Drawing............................9926359
Wiring Diagram...refer to page 42, figure 4

JKC-3 Product Data

<table>
<thead>
<tr>
<th>Current Ratio in Amperes;</th>
<th>Continuous-Thermal Current Rating Factor</th>
<th>Mechanical Limit,</th>
<th>One-Second Thermal</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>PriSec</td>
<td>30 °C Ambient</td>
<td>55 °C Ambient</td>
<td>Amperes</td>
<td>Limit, Amperes</td>
</tr>
<tr>
<td>10:5</td>
<td>1.5</td>
<td>1.0</td>
<td>1,285</td>
<td>700</td>
</tr>
<tr>
<td>15:5</td>
<td>1.5</td>
<td>1.0</td>
<td>1,260</td>
<td>1,050</td>
</tr>
<tr>
<td>20:5</td>
<td>1.5</td>
<td>1.0</td>
<td>2,780</td>
<td>1,400</td>
</tr>
<tr>
<td>25:5</td>
<td>1.5</td>
<td>1.0</td>
<td>3,700</td>
<td>1,750</td>
</tr>
<tr>
<td>30:5</td>
<td>1.5</td>
<td>1.0</td>
<td>4,040</td>
<td>2,100</td>
</tr>
<tr>
<td>40:5</td>
<td>1.5</td>
<td>1.0</td>
<td>5,340</td>
<td>2,800</td>
</tr>
<tr>
<td>50:5</td>
<td>1.5</td>
<td>1.0</td>
<td>5,310</td>
<td>3,500</td>
</tr>
<tr>
<td>75:5</td>
<td>1.5</td>
<td>1.0</td>
<td>8,950</td>
<td>5,250</td>
</tr>
<tr>
<td>100:5</td>
<td>1.5</td>
<td>1.0</td>
<td>11,900</td>
<td>7,000</td>
</tr>
<tr>
<td>150:5</td>
<td>1.5</td>
<td>1.0</td>
<td>18,350</td>
<td>12,000</td>
</tr>
<tr>
<td>200:5</td>
<td>1.5</td>
<td>1.0</td>
<td>24,400</td>
<td>14,000</td>
</tr>
<tr>
<td>300:5</td>
<td>1.5</td>
<td>1.0</td>
<td>36,700</td>
<td>22,500</td>
</tr>
<tr>
<td>400:5</td>
<td>1.5</td>
<td>1.0</td>
<td>49,300</td>
<td>26,400</td>
</tr>
<tr>
<td>600:5</td>
<td>1.5</td>
<td>1.0</td>
<td>104,000</td>
<td>56,400</td>
</tr>
<tr>
<td>800:5</td>
<td>1.5</td>
<td>1.0</td>
<td>104,000</td>
<td>52,800</td>
</tr>
<tr>
<td>1,200:5</td>
<td>1.0</td>
<td>0.75</td>
<td>108,000</td>
<td>56,400</td>
</tr>
</tbody>
</table>
Model JKC-3 - Dimensions

Construction and Insulation
Please refer to General Product Information, item 1.8.

Baseplate and Mounting
Please refer to General Product Information, item 5.5.

Core
Please refer to General Product Information, item 2.4.

Nameplate
Please refer to General Product Information, item 6.3.

Coils
Please refer to General Product Information, item 3.6.

Maintenance
Please refer to General Product Information, item 10.1 and pages 24-27.

Primary Terminals
Please refer to General Product Information, item 4.3.

Secondary Terminals
Please refer to General Product Information, item 4.13.

Polarity
Please refer to General Product Information, item 7.2.

GEGridSolutions.com
Grid-AIS-L4-ITI_Model_JKC_3-1454-2017_07-EN. © Copyright 2017. General Electric Company and Instrument Transformers LLC reserve the right to change specifications of described products at any time without notice and without obligation to notify any person of such changes.

Worldwide Contact Center
Web: www.GEGridSolutions.com/contact
Phone: +44 (0) 1785 250 070
USA and Canada: +1 (0) 800 547 8629
Europe, Middle East and Africa: +34 (0) 94 485 88 00