available

GE
Grid Solutions

Models JCM-3/JCM-4/JCM-5

Indoor Current Transformers 600 A to 4,000 A, 50/60 Hz
5 kV to 15 kV, BIL 60 kV to 110 kV

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

Weight
(approximate, in pounds)
Transformer, without base; JCM-3 and JCM-4 84/72 lbs
Transformer, without base; JCM-5 121/109 lbs

Reference Drawings
Accuracy Curves at 60 Hz:
1,200:5 ..............................................9689241017
1,500:5 ..............................................9689241018
2,000:5 ..............................................9689241019
3,000:5 ..............................................9689241021
4,000:5 ..............................................9689241022

Excitation Curves:
1,200:5 ..............................................9689241126
1,500:5 ..............................................9689241127
2,000:5 ..............................................9689241128
3,000:5 ..............................................9689241124
4,000:5 ..............................................9689241130

Outline Drawings:
JCM-3 and JCM-4 Transformer ...........................................9689704
Dual-ratio ................................................9930858
JCM-5 Transformer ...........................................8949930
Dual-ratio ................................................9930859
Wiring Diagram ...refer to page 41, figure 3

JCM-3/JCM-4/JCM-5 Product Data

<table>
<thead>
<tr>
<th>Current Ratio (Amps)</th>
<th>ANSI Accuracy Class, 60 Hz Burden Per ANSI</th>
<th>Continuous Thermal Current Rating Factor</th>
<th>1-Sec Thermal Limit, Amperes</th>
<th>Catalog Number</th>
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</thead>
<tbody>
<tr>
<td>Prior: Sec</td>
<td>B-0.1 thru B-1</td>
<td>B-2</td>
<td>Relay Class</td>
<td>30 °C Amb.</td>
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<tr>
<td>1,200:5</td>
<td>0.3</td>
<td>0.3</td>
<td>C200</td>
<td>1.33</td>
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<tr>
<td>1,500:5</td>
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<td>0.3</td>
<td>C200</td>
<td>1.33</td>
</tr>
<tr>
<td>2,000:5</td>
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<td>0.3</td>
<td>C200</td>
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<tr>
<td>3,000:5</td>
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<td>0.3</td>
<td>C200</td>
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<td>C200</td>
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<tr>
<td>600/1,200:5</td>
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<td>750/1,500:5</td>
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<tr>
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<td>1,500/3,000:5</td>
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<td>0.3</td>
<td>C200</td>
<td>1.33</td>
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<tr>
<td>2,000/4,000:5</td>
<td>0.3</td>
<td>0.3</td>
<td>C200</td>
<td>2.0</td>
</tr>
</tbody>
</table>

1. Measurement Canada Approved: AE-0740 or AE-0310 or AE-0383 or AE-0850 or AE-1000

When choosing your GE Instrument Transformer, don’t forget to explore the benefits of using GE’s 0.15 accuracy class AccuBute line.

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Construction and Insulation
Please refer to General Product Information, items 1.2 and 1.8.

Coils
Please refer to General Product Information, item 3.7.

Primary Terminals
Please refer to General Product Information, item 4.5.

Secondary Terminals
Please refer to General Product Information, item 4.16.

Cover
The terminal cover is made of molded phenolic, with a brass sealing nut which engages the brass sealing stud located halfway between the two terminals. The cover is reversible, having one position when the secondary short-circuiting device is closed and no meter leads are connected, and a reverse position when the short-circuiting device is open and the meter leads connected. The cover cannot be put in position to be sealed when the short-circuiting device is closed and meter leads are connected.

Polarity
Please refer to General Product Information, item 7.2.

Baseplate and Mounting
Please refer to General Product Information, item 5.10.

Nameplate
Please refer to General Product Information, item 6.3.

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

Mechanical Rating
Mechanical limits are omitted since, if bar-primary type transformers are properly installed, their mechanical strength is nearly unlimited.