General Specifications

Customer Metering Guide

These specifications are for 125 ampere and 200 ampere, 120/240 voltage single-phase applications and up.

9.0 METER CENTERS

9.1. Each jaw must be designed and constructed such that repeated insertion of a meter will not spread the jaws or significantly reduce their tension on the meter tabs.

9.2. All meter jaws must be factory installed. A fifth terminal retrofit kit is not allowed in a five-terminal meter enclosure.

8.0 GANG SOCKETS

8.1. All gang sockets shall be designed, manufactured and tested in accordance with the specifications given in the latest revision of:

8.1.1. The National Electrical Code


8.2. A nationally recognized testing lab (NRTL) approval label shall be attached inside the enclosure.

8.3. A bypass lever for each socket is required on three-phase meter centers.

8.4. A bypass lever is required on all three-phase self-contained meter enclosures.

8.5. A bypass lever is required on all single-phase 320 ampere meter enclosures.

8.6. A bypass lever is required for each socket on five-terminal meter centers.

8.7. No horn, slide or similar type bypass is allowed.

8.8. A bypass lever is required on all single-phase 320 ampere meter enclosures.

8.9. A bypass lever is required on all single-phase 320 ampere meter enclosures.

8.10. No horn, slide or similar type bypass is allowed.
**Customer Metering Guide**

**Duke Energy CT Cabinet | Installation Guidelines**

**Figure 1**

- Customer CT cabinet
- Grounding lug
- Duke Energy service conductor
- Customer grounding electrode system
- NOT ACCEPTABLE

**Conductor Size | Conduit & Riser Size**

<table>
<thead>
<tr>
<th>Conductor Size</th>
<th>Conduit Size</th>
<th>Riser Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/0</td>
<td>2&quot;</td>
<td>2&quot; – 350</td>
</tr>
<tr>
<td>4/0 or 350</td>
<td>2.5&quot;</td>
<td>2” – 350</td>
</tr>
<tr>
<td>2 – 4/0</td>
<td>4&quot;</td>
<td>2” – 400</td>
</tr>
<tr>
<td>2 – 350</td>
<td>5&quot;</td>
<td>2” – 400</td>
</tr>
</tbody>
</table>

**Customer Wire Size Guidelines**

- Single conductor up to and including 500 kcmil
- Two cond/phase up to and including 250 kcmil

**Note:** CT Cabinet 1 cannot be used if Duke Energy is installing more than a single conductor per phase. If Duke Energy pulls parallel service CT Cabinet 2 or 3 must be used.

**Preferred Meter Trough Installation**

2. Duke Energy installs CTs and meter.

**Optional Meter Trough Installation**

1. Customer cuts hole in trough for riser.
2. Customer cuts hole in trough for riser.

**Duke Energy Meter Trough | Installation Guidelines**

**Figure 2**

**Preferred Meter Trough with Transocket Installation**

- Transocket
- Maximum service = 600 amps
- Max customer wire size: 500 kcmil single, 350 kcmil two cond/phase

**Optional Meter Trough with Transocket Installation**

- Transocket
- Maximum service = 600 amps
- Max customer wire size: 500 kcmil single, 350 kcmil two cond/phase

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