**Type LGX–15–585**

Extended range, high accuracy outdoor current transformer

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**Product features**
- 15 kV, 110 kV BIL, 60 Hz
- Electrical specifications:
  - Creep: 22.0" (559 mm)
  - Strike: 12.0" (305 mm)
- Approximate weight (without bar): 125 lbs (57 kg)

**Application**
The LGX-15-585 outdoor, window-type current transformer is rated for use on 15,000 volt systems with 110 kV BIL. Primary current ratios are available from 200:5 to 2000:5 at 60 Hertz, with a rating factor of up to 4.0 (see ratings specific to each ratio). This dry-type, solid-cast current transformer operates with high accuracy for metering applications.

**Mechanical description**
The core and coil assembly is wound and encapsulated in a molded cast resin with a 4½" (115 mm) diameter window cycloaliphatic epoxy bushing to provide high withstand capabilities. The high voltage insulating epoxy sleeve has a conductive interior with a pigtail lead for connection to an uninsulated primary conductor to equalize voltage and prevent radio interference and corona. The unit may be supplied with a factory installed NEMA 4-hole primary bus (5500A max rated). Secondary terminals are ¼"-20 (silicon bronze) studs with associated hardware located inside a removable terminal box with two 1" NPT conduit hubs.

The nameplate is made of anodized aluminum and is affixed to each unit on the opposite side of the terminal box.

**Accuracy performance**
The LGX-15-585 maintains 0.15 accuracy from 1% of \( I_{nom} \) through its rating factor, and can be used continuously to this level (see ratings and burdens specific to each ratio).

**Mounting**
The LGX-15-585 is designed for mounting in the upright or underhung position with the tube horizontal, or in the cantilever position with the tube vertical.

**CAUTION:**
- Do not mount in the cantilever position with the tube horizontal, as the baseplate can collapse. Mounting holes are punched in the aluminum baseplate.
- The high voltage sleeve and its bar assembly is not to be used to support the primary buswork or conductors.

**Testing**
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

**Options**
The LGX-15-585 is available with a primary bus bar kit or conductive guards to prevent foreign objects from entering the high voltage insulating sleeve. Contact the factory for other needs.
Unit dimensions

Primary bar information

<table>
<thead>
<tr>
<th>Max. current amperes</th>
<th>No. of bars</th>
<th>Stack thk (Dim. A) in. [mm]</th>
<th>HT to base (Dim. B) in. [mm]</th>
<th>Weight lbs [kg]</th>
</tr>
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</table>

For optional bird guards (one pair), order part number 123-0098-901

For more information please contact:

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