**Type LG(X)–15–683**

**Outdoor current transformer**

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**Product features**
- Single, dual, and multi ratios
- 15 kV, 110 kV BIL, 60 Hertz
- Primary amperes: 200 - 5000
- Electrical clearances:
  - Strike (to mounting leg): 8.75" (222 mm)
  - Creep: 17.1" (434 mm)
- Maximum weight (without bar): 120 lbs (55 kg)

**Application**
The LG(X)-15-683 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 5000:5 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 or relay 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 (5500 A 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.

**Accuracy performance**
The LG-15-683 will operate with 0.3 class accuracy for metering with burdens of B-0.1 up to B-1.8, and up to C800 for some relay applications. The transformer is accurate through its rating factor, and can be used continuously to this level.

The LGX-15-683 will operate with 0.15 class high accuracy for metering applications with burdens of B-0.1 up to B-1.8. The transformer maintains 0.3 accuracy from 1% of $I_{nom}$ through its rating factor, and can be used continuously to this level (for 0.15 accuracy range, see ratings specific to each ratio).

**Mounting**
The LG(X)-15-683 is designed for mounting in the upright, underhung, or cantilever position. Open end slots are provided on the aluminum mounting legs. CAUTION: 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 LG(X)-15-683 is available with primary bus bar kit, or conductive guards to prevent foreign objects from entering the high voltage insulating sleeve. Contact factory for other needs.
For more information please contact:

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