Type LG–25–879
Outdoor current transformer

Product features
- Single, dual, and multi ratios
- 25 kV, 150 kV BIL, 60 Hertz
- Primary amperes: 200 - 10000
- Electrical clearances:
  Strike: 13.5" (343 mm)
  Creep: 22.0" (559 mm)
- Maximum weight (without bar):
  Single core: 218 lbs (99 kg)
  Dual core: 278 lbs (125 kg)

Application
The LG-25-879 outdoor, window-type current transformer is rated for use on 25,000 volt systems with 150 kV BIL. Primary current ratios are available from 200:5 to 10000:5 for 60 Hertz, with a rating factor of up to 2.0. 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.

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

Accuracy performance
The LG-25-879 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.

Mounting
The unit 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 LG-25-879 is available with a primary bus bar kit or conductive bird guards to prevent foreign objects from entering the high voltage insulating sleeve. The unit can be offered in single, dual, or multiple core designs. Contact the factory for other needs.
For more information please contact:

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