**Type LGX–25–585**
Extended range, high accuracy outdoor current transformer

**Product features**
- 25 kV, 150 kV BIL, 60 Hz
- Electrical specifications:
  - Creep: 25.9” (658 mm)
  - Strike: 13.0” (330 mm)
- Approximate weight (without bar): 133 lbs (60 kg)

**Application**
The LGX-25-585 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 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 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 (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.

**Mounting**
The LGX-25-585 is designed for mounting in the upright or underhung position with the tube horizontal, or in the cantilever position with the tube vertical.

**Accuracy performance**
The LGX-25-585 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).

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

**Options**
The LGX-25-585 is available with a primary bus bar kit or conductive guards to prevent foreign objects from entering the high voltage insulating sleeve. Contact factory for other needs.
Unit dimensions

![Unit dimensions diagram]

LGX-25-585

Note: Metric dimensions are displayed in [mm]

Terminal box detail - multi-ratio (MR) shown

Wiring diagram

For more information please contact:

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USA
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Fax: +1 252 827 4286

www.abb.com/mediumvoltage

Selection guide

<table>
<thead>
<tr>
<th>Primary amps</th>
<th>IEEE metering accuracy</th>
<th>Rating factor</th>
<th>Style number</th>
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</thead>
<tbody>
<tr>
<td>200</td>
<td>0.15S-B0.1/0.3S-B0.2</td>
<td>4.0</td>
<td>F030200X1NC</td>
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<td>600 *</td>
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<td>F030800X1NC</td>
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<td>1200*</td>
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<td>3.0</td>
<td>F031200X1NC</td>
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<tr>
<td>1500*</td>
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<td>3.0</td>
<td>F031500X1NC</td>
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<tr>
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<td>3.0</td>
<td>F032000X1NC</td>
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</table>

One second thermal/mechanical rating: 100 x full winding $I_{nom}/$unlimited mechanical.

* Accuracy for this primary current is maintained down to 1% rated current.

Available with a 34.5” primary bar kit (maximum 5500 A). Change the “1” following the X to “3”.

Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information.

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>
</thead>
</table>

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