Type DEH-705
Indoor/outdoor current transformer

Product features
− 600 volt, 10 kV BIL, 60 Hz  
− Single, dual, and multi ratios  
− Approximate weight: 15 lbs (7 kg)

Application
The DEH-705 indoor/outdoor, window-type current transformer is a 600 volt, 10 kV BIL rated unit. Primary current ratios are available from 200:5 to 4000:5 at 60 Hertz, with a rating factor of up to 2.0. This dry-type, solid-cast current transformer will operate 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 window size of 5.75". An optional primary bus bar with NEMA 4-hole pads can also be provided (3000 A max). The clamp-type post secondary terminals are ¼"-20 slotted screws with associated hardware located inside a clear polycarbonate cover. An optional weather-tight aluminum conduit box with two (2) 1" NPT conduit hubs can be provided for SCADA applications.

Accuracy performance
The DEH-705 can provide up to 0.3 class accuracy for metering with burdens of B-0.1 up to B-1.8 and up to C50 for some relay applications (see ratings specific to each ratio). The transformer is accurate through its rating factor, and can be used continuously to this level.

Mounting
The DEH-705 is designed for mounting in an upright, underhung, or cantilever position. Mounting holes are located in the four corners of the unit.

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

Options
The DEH-705 is available with a primary bus bar kit, secondary terminal box, and/or mounting feet. The unit can be certified for revenue metering at certain ratio and burden levels if available and so specified on inquiries/orders. Contact factory for other needs.
Unit dimensions

Type DEH-705
Metric dimensions shown in [mm].

Selection guide

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<th>Ratio</th>
<th>Metering accuracy</th>
<th>Relay accuracy</th>
<th>Rating factor</th>
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<td>C10</td>
<td>2.0</td>
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<tr>
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<tr>
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<td>1.5</td>
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<tr>
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<td>C40</td>
<td>1.5</td>
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<tr>
<td>4000:5</td>
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<td>C50</td>
<td>1.0</td>
<td>A0340S08-570</td>
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</tbody>
</table>

Available in dual and multi-ratio designs

One second thermal/mechanical ratings: 80 x full winding I_nom / unlimited mechanical.

Units available with mounting feet. Change "08" of style number to "18".

* Units can be certified for revenue metering. Change "570" of style number to "590".

Higher accuracies available in some ratings. Contact the factory.

For more information please contact:

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