

Type CEH-636

Indoor/outdoor current transformer

Product features

- 600 volt, 10 kV BIL, 60 Hz
- Single, dual, and multi ratios
- Approximate weight: 20 lbs (9 kg)

Application

The CEH-636 indoor/outdoor, window-type current transformer is a 600 volt, 10 kV BIL rated unit. Primary current ratios are available from 100:5 to 6000:5 at 60 Hertz, with a rating factor of up to 4.0. 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 8.125". 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 (see SCADA-CEH product bulletin)

Accuracy performance

The CEH-636 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 CEH is designed for mounting in an upright, underhung, or cantilever position. Mounting holes are located in the four corners.

Testing

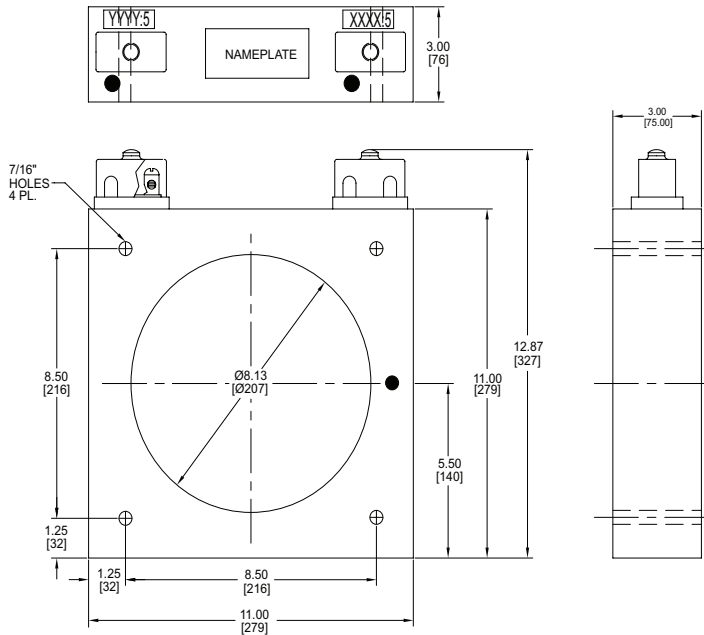
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

Options

The CEH is available with a primary bus bar kit, secondary terminal box, and/or mounting feet. It 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



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Selection guide

| Ratio | IEEE metering accuracy* | Relay accuracy | Rating factor | Style number |
|--------|-------------------------|----------------|---------------|--------------|
| 100:5 | ±10% - 1VA | - | 2.0 | A0101S08-570 |
| 200:5 | 1.2B-0.1 | - | 2.0 | A0102S08-570 |
| 300:5 | 0.6B-0.1 | C5 | 2.0 | A0103S08-570 |
| 400:5 | 0.3B-0.1 | C10 | 2.0 | A0104S08-570 |
| 500:5 | 0.3B-0.2 | C15 | 2.0 | A0105S08-570 |
| 600:5 | 0.3B-0.2 | C15 | 2.0 | A0106S08-570 |
| 800:5 | 0.3B-0.5 | C20 | 2.0 | A0108S08-570 |
| 1000:5 | 0.3B-0.5 | C30 | 2.0 | A0110S08-570 |
| 1200:5 | 0.3B-0.9 | C40 | 2.0 | A0112S08-570 |
| 1500:5 | 0.3B-0.9 | C50 | 2.0 | A0115S08-570 |
| 1600:5 | 0.3B-0.9 | C50 | 2.0 | A0116S08-570 |
| 2000:5 | 0.3B-1.8 | C35 | 2.0 | A0120S08-570 |
| 2500:5 | 0.3B-1.8 | C40 | 1.5 | A0125S08-570 |
| 3000:5 | 0.3B-1.8 | C50 | 1.33 | A0130S08-570 |
| 4000:5 | 0.3B-1.8 | C50 | 1.0 | A0140S08-570 |
| 5000:5 | 0.3B-1.8 | - | 1.0 | A0150S08-570 |
| 6000:5 | 0.3B-1.8 | - | 1.0 | A0160S08-570 |

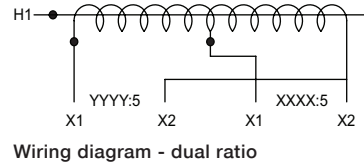
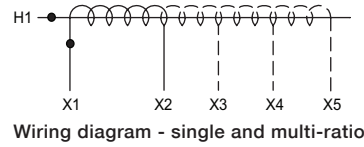
Available in dual and multi-ratio designs.

One second thermal/mechanical ratings: 60 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".

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



For more information please contact:

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