

Manufactured by:



# Low Voltage Current Transformers

## DCEW and DCEB

### General Description

The DCEW is a large window type current transformer designed for use with watt-hour meters with an accuracy class of 0.3 or with high-accuracy class of 0.15. It is suitable for both indoor and outdoor service. Its intended application is on higher voltage circuits with an insulated primary conductor. The transformer meets all applicable IEEE, ANSI and NEMA standards. A wide variety of accessories and ratings allows for maximum versatility. The transformer can be ordered with a primary bar assembly by specifying the appropriate DCEB catalog number or a bar-kit can be ordered for addition to the DCCW in the field.

### Construction

The ring type core is wound from high quality grain oriented silicon steel which has been annealed. The secondary winding is accomplished with heavy enameled copper wire evenly distributed around the core. The core and coil assembly is then completely encapsulated in polyurethane resin inside a molded shell of tough thermoplastic polyester resin.

### Secondary Terminals and Cover

Secondary terminals are tinned bronze compression type with a large 7.5 mm (.29") diameter cross-hole. A bronze pivoting short circuit device is an integral part of the secondary terminal arrangement. The short circuit device interferes with the proper placement of the clear polycarbonate cover when the shorting device is in the shorted position. The terminal cover is designed to accept a sealing device.



### Base Plates

The transformer is designed for wall mounting and comes with 4 through holes. An optional base fixture of marine grade aluminum can be ordered separately as an accessory.

### Primary Bar

Available as an option, the flat primary bar kit is of tinned copper and has a two hole NEMA pad on either end. It is centered in the transformer window by two end plates.

### Test Reports

Test reports according to the latest revisions of IEEE C57.13 are stored electronically at time of test and can be sent via email in customer preferred formats at time of shipment.

### High-Accuracy Options

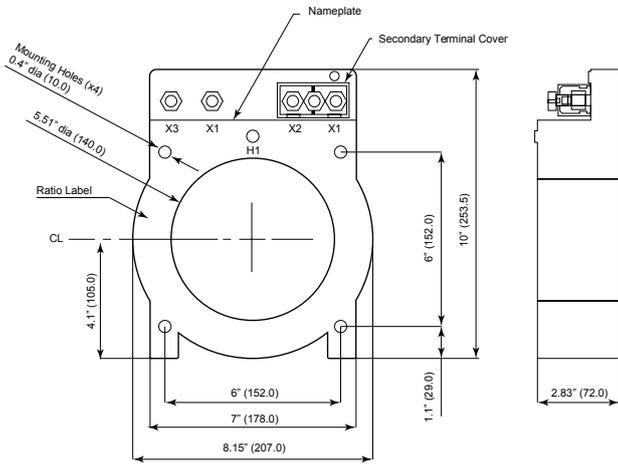
The DCEW and DCEB designs are available with high-accuracy 0.15 class ratings. These ratings offer the user the ability to use fewer standard ratios, while, in most cases, improving the accuracy performance of the metering installation.

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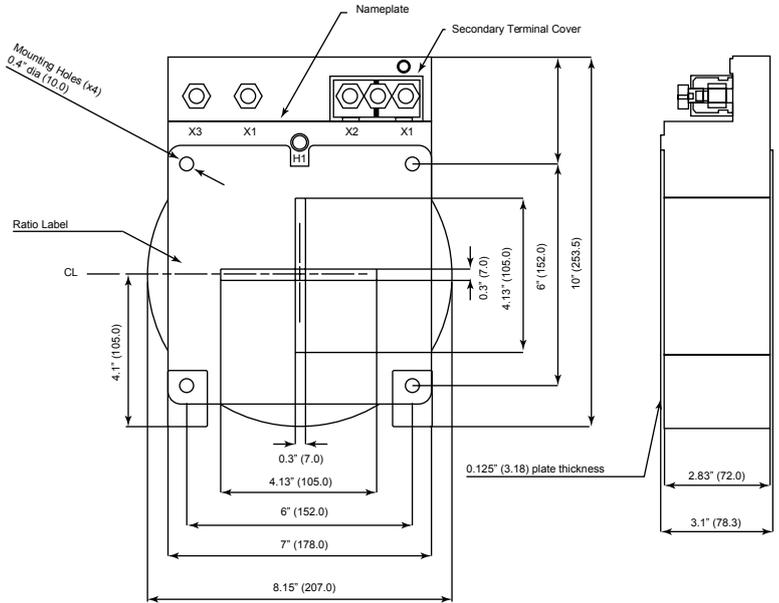
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### Front View

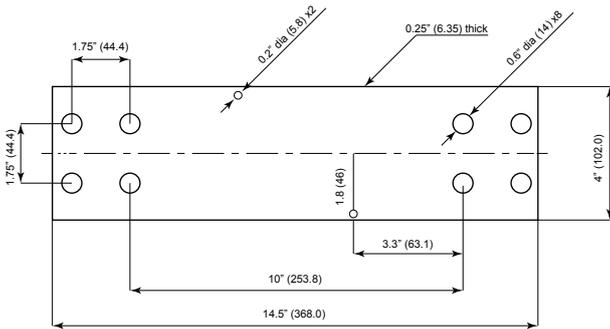


Voltage Class	600 V
Basic Impulse Level	10 kV
Service Rating	Indoor/Outdoor
Weight	13 lbs

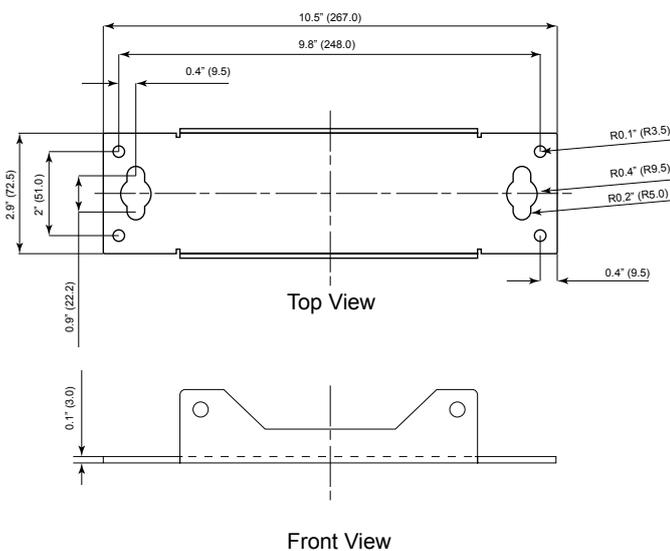
### Front View with Bar Plate



### Bus Bar



### Mounting Base



### Bus Bar Mounting Plate

