

Model BCF

Small Current Transformer 1" Window with Hinge Top

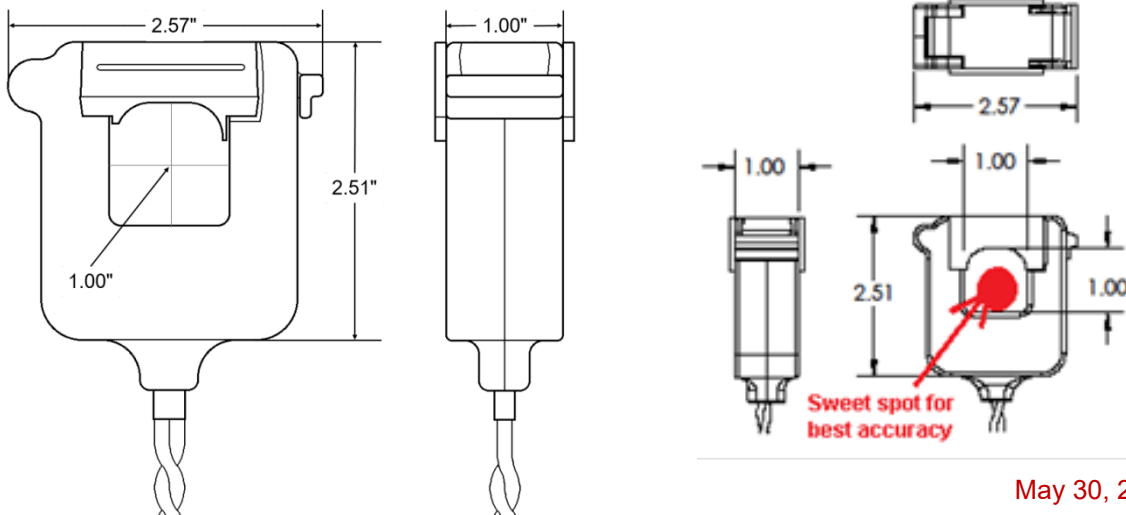
- **UL Listed to UL2808**
- **CAN/CSA C22 61010-1-04**
- **Input Range: 10A to 300A**
- **Accuracy Class 1.0 Standard**
- **Accuracy Class 0.5 Available**
- **Measurement Category III & IV**
- **Tilt Top for easy installation**



The Model BCF-XXX Split Current Transformer Is an indoor AC voltage output transducer or current output transformer designed with a snap and tilt on top. The BC-XXX uses either an iron core or nickel core (optional for better performance) and can be provided with 0.1A but contact Sentran Corporation to order. An Internal transient voltage suppressor is used for shock protection or with an internal shunt resistor to adjust the output voltage to 0.333VAC or 0.250VAC. 8 foot output leads are black and white twisted pair

Specifications:

Input current.....AC current, sine wave, single phase 50 or 60Hz
Crest factor.....Set to 1.414 times full scale input current
Voltage rating.....600VAC rms. Tested CAT III per CSA C22.2 61010-1 (8000V tested)
AC Voltage Output Type.....250mV and 333mV
AC Current Ratio Type.....Ratio for 0.1A standard (contact Sentran Corp)
Ratio and Linearity Accuracy.....+/- 1 % range 5% to 120% better than 61869-1 Table 201
Phase Displacement.....< 0.5° at full scale per 61869-1 Table 201
Output resistance.....<10 Ohms – to be terminated into high impedance
Temperature range.....-40°C to 55°C. Rated to 90°C for industrial control panels
Altitude.....Up to 2000 meters | **Pollution degree**.....2 | **Humidity**..Up to 95% non-condensing
Continuous Current Rating Factor.....1X. Continuous short will not harm product
Short-Time Thermal Current Rating.....500A for 1s (1A unit worse case, temp < 100°)
Construction.....Molded using 120°C UL approved plastic
Lead wires.....8ft. twisted black/white, 18 AWG MTW UL1015, 600V, 105°C



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