

Model BCF-XXX per UL2808

Split Current Transformer

mVAC or mA AC Output, 600VAC Rated E361441 (XOBA)

- **Snap and Tilt Top**
- **Accuracy Class +/- 1%**
- **Can be used on bare non-insulated conductors**
- **UL Listed to UL2808, CAN/CSA C22 61010-1-04**
- **Measurement Category III Field Installable**
- **Designed and Manufactured in USA**



The Model BCF-XXX Split Current Transformer Is an indoor AC voltage output transformer or current output transformer designed with a snap and tilt on top. The BC-XXX uses a high permeability core or nickel core (optional for better performance) and can be provided with 0.1A but contact Spectrum Industries 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 (must specify).

Crest factor: Set to 1.414 times full scale input current.

Voltage rating: 600VAC rms. Tested CAT III, Indoor per CSA C22.2 61010-1.

AC Voltage Output Type: 250mV and 333mV.

AC Current Ratio Type: Ratio for 0.1A standard (contact Spectrum Ind).

Ratio and Linearity Accuracy: +/- 1% range 5% to 120% better than 61869 Table 201. Contact Spectrum for high performance model.

Phase Displacement: < 0.5° at full scale per 61869 Table 201.

Output resistance: <10 Ohms – to be terminated into high impedance.

Temperature range: -40°C to 55°C.

Altitude: Up to 2000 meters, **Pollution degree 2** for CAT III.

Humidity up to 95% non-condensing.

Continuous Current Rating Factor: 1X. Continuous short will not harm product

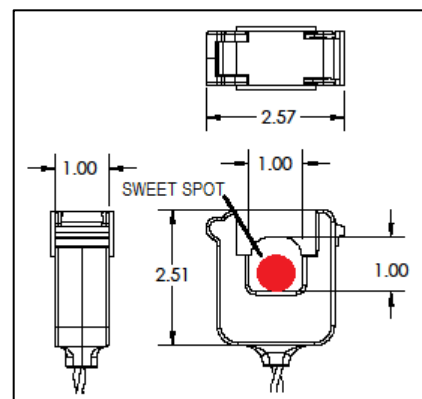
Short-Time Thermal Current Rating: 500A for 1s (1A unit worse case, temp < 100°).

Construction: Molded with polycarbonate UL approved plastic.

Lead wires: 8 foot black and white twisted pair 18 AWG MTW UL1015, 600V, 105C.

Applications:

Secondary Metering
Power Panels
Circuit Breaker Panels
Transformer Monitoring
Service Entry CT
Residential Metering
Revenue Metering
Industrial Control Panels
Building Energy Monitoring
Solar Power Systems
Clamp On CT
Inverter Monitoring
SCADA systems
Wind Power Systems
Smart Grid
Electrical Energy Monitoring
Computer Center Energy
Edison Panel Monitoring
Category III
Category IV



Part Number	Input Amps XXX	YYY= mV Out	YYY= mA Out
BCF-15A-YYY	15	250 OR 333.3	Contact Spectrum
BCF-20A-YYY	20		
BCF-25A-YYY	25		
BCF-30A-YYY	30		
BCF-50A-YYY	50		
BCF-70A-YYY	70		
BCF-75A-YYY	75		
BCF-100A-YYY	100		
BCF-125A-YYY	125		
BCF-150A-YYY	150		
BCF-200A-YYY	200		
BCF-250A-YYY	250		
BCF-300A=YYY	300	250 OR 333.3	Contact Spectrum

