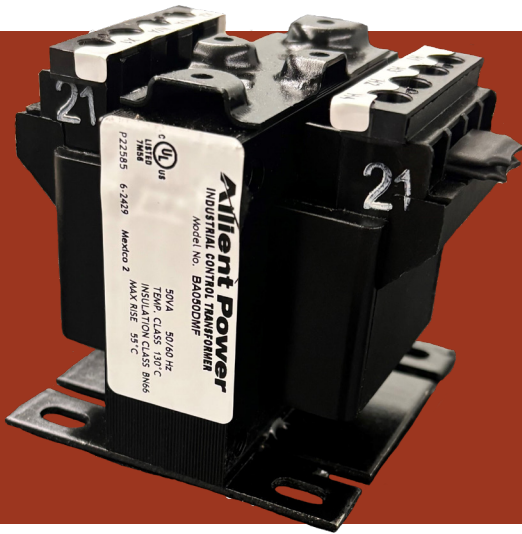




INDUSTRIAL CONTROL TRANSFORMERS



Allient Power's CPT, an Industrial Control Transformer, is specifically designed to reduce supply voltages to the control voltages necessary for the operation of loads such as electromagnetic components - contactors, solenoids, timers, and relays, among others. Also known as control power transformers, our CPTs accommodate the momentary current inrush caused when electromagnetic loads are energized at start up. Most electromagnetic loads require anywhere from 3-10 times their normal operating current for 30-50 milliseconds, Allient Power's CPTs provide the secondary voltage stability required over that inrush period through an engineered coil winding configuration.

Our CPTs meet or exceed the standards established by UL and cUL over the widest VA range in the industry. The rugged construction and quality electrical characteristics ensure reliable operation of electromagnetic devices and trouble-free performance.

Features of CPT Industrial Control Transformers:

- Enclosed coils completely encase the CPT transformer coils against moisture, dirt, dust and industrial contaminants for maximum protection in industrial environments.
- Finger-safe terminals are integrally build in.
- Terminals are moded in for a robust, compact design.
- Heavy gauge steel mounting plate to add strength to core construction and stability
- Attractive black matte finish

Typical Applications with CPTs

- General Industrial Applications
- Machine Tool Control
- HVAC Systems
- Lighting Control
- Motor Control



Technical Specifications

Primary Voltage	115 to 600V
Secondary Voltage	23 to 240V
VA Rating	50 - 5,000
Frequency	50/60Hz
Phase	1 Phase
Load Types	Linear Loads
Environmental Conditions	
Ambient Temperature	-20°C (-4°F) to 40°C (104°F)
Operating Altitude	Up to 2,000m (6,600 ft) without derating
Enclosure Type	Open style only
Reference Technical Standards	
Agency Approvals	cULus, CSA
Warranty	3 Year Warranty Period

Part Numbering

B A 050 D M F 0

Series

Temp Rise Rating
 A = Class 130°C (266°F) insulation system
 55°C (151°F)
 B = Class 130°C (266°F) insulation system
 80°C (176°F)
 H = Class 180°C (356°F) insulation system
 115°C (239°F)

VA Rating
 50, 75, 150, 200, 250, 300, 350, 500, 750, 1K0,
 1K5, 2K0, 3K0, 5K0

Primary Voltage
 D (Group A) = 220x440, 230x460, 240x480
 C (Group G) = 200x220x440, 208x230x460, 240x480

Secondary Voltage
 M = 110, 115, 120

Frequency
 F = 50/60 Hz

Options
 Blank = Standard
 0 = Secondary Fuse Clips
 4 = Dual Pole Primary Fuse Block with Secondary Fuse Clips

CPT Specifications:

Allient Power CPTs are constructed with high quality silicon steel laminates, which minimize core losses and increase performance and efficiency. The use of high quality copper magnet wire assure efficient operation. Primary and secondary fusing options are also available in kits, or factory installed. Two parallel jumper links come standard with all transformers, which can be wired for dual primary voltages.

