

MT-CTX-456.480.504V-4.2KVA-145.290.440V

4.2 kVA Control Transformer – 456/480/504V Input – 145/290/440V Output – 1PH 60Hz – Copper Wound – Terminal Blocks – Thermal Protected

Product ID: 332634

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MT-CTX-456.480.504V-4.2KVA-145.290.440V

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MT-CTX-456.480.504V-4.2KVA-145.290.440V Control Transformer

Phase: Single Phase
Frequency: 50/60 Hz
Capacity: 4.2 kVA
Primary Voltage: 456 / 480 / 504 VRMS (Multi-Tap, All Taps Rated)
Primary Connection: Series Tap Configuration
Primary Overcurrent Protection: External OCP Recommended
Secondary Voltage: 145 / 290 / 440 VRMS (Multi-Tap, All Taps Rated)
Secondary Connection: Series / Multi-Tap
Maximum Secondary Current: 9.5 Amps
Winding Material: Copper
Primary Termination: Terminal Block, 11–22 AWG, 30A Rated
Secondary Termination: Terminal Block, 11–22 AWG, 30A Rated
Thermal Switch Termination: 11–22 AWG, 30A Rated
Ground Terminal: 12–24 AWG
Insulation System: 180°C UL Recognized Insulation System
Temperature Rise: 110°C Rise @ 40°C Ambient
Thermal Protection: (1) 175°C Normally Closed (N/C) Thermal Switch
Enclosure Material: Injection Molded Cover
Mounting: Heavy Steel Feet
Dimensions: (*Please note that dimensions are approximate and subject to change*) 8.00" - Intl: 1-214-616-6180

Approvals/Ratings

NRTL Listed for United States and Canada
NRTL Certified to CSA 22.2 NO 66.1
NRTL Certified to CSA 22.2 NO 66.2
NRTL Certified to UL 5085-1
NRTL Certified to 5085-2
Control Transformer

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671

H x 9.00"-W x 7.62"-D

Weight: (*Please note that weight is approximate and subject to change*) 80 lb

E-mail: sales@larsonelectronics.com

The MT-CTX-456.480.504V-4.2KVA-145.290.440V from Larson Electronics is a Single Phase Control Transformer that is powerful and reliable. Designed for industrial machinery and control circuits, this unit features copper wound coils and high-quality silicon steel laminations for optimal electrical performance and long service life. The MT-CTX-456.480.504V-4.2KVA-145.290.440V provides increased reliability and protection against voltage fluctuations that can lead to critical equipment failures. This control transformer incorporates a robust terminal block design for quick and secure wiring connections.

Transformer Features: With a transformer rating of 4.2 kVA, the MT-CTX-456.480.504V-4.2KVA-145.290.440V is a machine tool industrial single phase control transformer operating at 60 Hz. The unit features a multi-tap primary voltage of 456 / 480 / 504 VRMS and a multi-tap secondary voltage of 145 / 290 / 440 VRMS, with all taps fully rated. The transformer delivers up to 9.5 amps maximum secondary current. Constructed with copper windings, the cores are manufactured using premium silicon steel laminations to ensure high efficiency and consistent voltage regulation. Terminal blocks are provided on the primary, secondary, and thermal protection circuits for convenient field wiring.

This unit is built with a 180°C UL recognized insulation system and is rated for a 110°C temperature rise in a 40°C ambient environment. Integrated thermal protection includes one (1) 175°C normally closed (N/C) thermal switch embedded within the windings, with leads brought out for monitoring or control integration. The clearly labeled terminal blocks accommodate 11–22 AWG wire and are rated for 30 amps, while a dedicated ground terminal accepts 12–24 AWG conductors.

Benefits: The MT-CTX-456.480.504V-4.2KVA-145.290.440V control transformer offers enhanced durability and electrical stability for demanding industrial applications. The copper wound construction improves thermal performance and longevity. The high-temperature insulation system combined with embedded thermal protection safeguards connected equipment from overheating conditions. Heavy-duty steel mounting feet provide secure installation in control panels or equipment enclosures. The multi-tap configuration allows flexible voltage matching for various industrial systems.

Applications: Machine Tools, Industrial Control Panels, Automation Systems, Power Management

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.



Frequently Asked Questions (FAQ)

There are no Fags



Image: MT-CTX-456.480.504V-4.2KVA-145.290.440V



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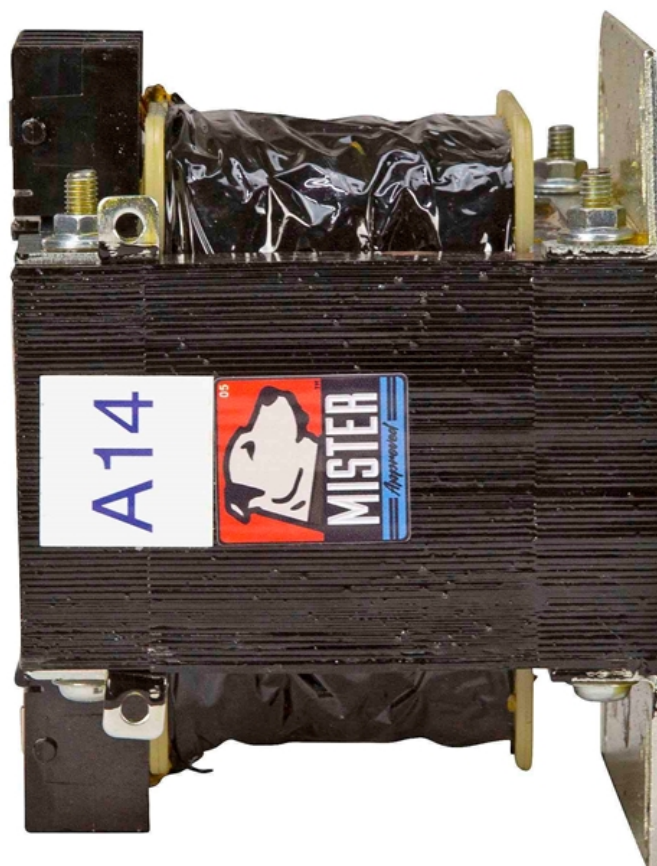


Image: MT-CTX-456.480.504V-4.2KVA-145.290.440V



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Export Control Classification Number (ECCN): EAR99



Links (Click on the below items to view):

- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/332634.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/332634.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/332634.JPG>)
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