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Product Guide

Control Power Transformers

usa.siemens.com/controls

Control Power Transformers

Industrial and construction markets demand rugged, reliable design for manufacturing plants and commercial applications. Siemens offers a wide range of control power transformers that satisfy these demands for both NAFTA and Global markets.

Product Class MT designed for domestic use

Features:

- Enclosed coils (50-5000VA): The enclosure provides maximum protection to the transformer coils against moisture, dust, dirt and industrial contaminants in hostile and extreme environments.
- Transformers reduce noise interference by isolating the control circuit from the power and lighting circuits.
- Silicon steel lamination minimize core losses and allows optimum performance. High quality copper wire is used to ensure reliable and efficient operation.
- Secondary fuse clips are available for sizes 50 VA and larger. The fuse clips are mounted on the terminals to save panel space and provide easy access for wiring.
- Multi-tap transformations are supplied with jumper links to reconfigure connections as needed.
- All terminal screws are now completely touch safe having no need for cumbersome touch safe covers. The sizes range from 45va to 5kva.
- Class MT transformers are available as standard from 45 VA up to, and including, 5000 VA in single or multi-windings for primary and/or secondary voltage. Primary voltage is rated up to 600 volts at 50/60 Hz and secondary voltage ranges from 120vac to 24vac.
- Clearly marked and identifiable termination points for wiring on an easily visible label.

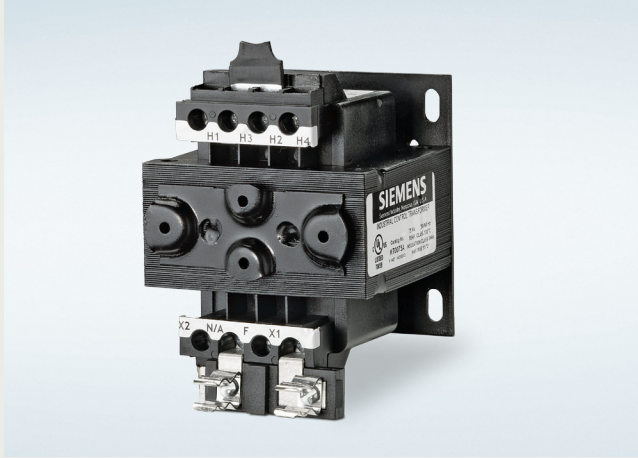
Note: For Class MT and MTG dimensions, weights and wiring diagrams, refer to the CPPC-06000 Industrial Control catalog (online version).

Standard

Designed per NEMA ICS2 and is UL506 listed and cUL certified, these transformers can maintain a stable secondary voltage while handling the inrush currents generated by energizing electro-magnetic devices.



Product Class MTG is designed for global use. In addition to the standard features of the MT transformers, the MTG features include:



- The quality design of Class MTG meets requirements for domestic and international applications.
- Fully compliant with EN61558-2-2 for non-short circuit proof control transformers. Winding isolation for the MTG is twice that of the MT for greater electrical clearances. Output capacity is 10% higher than that required by UL506. The CE mark indicates compliance with the required directives.
- In addition to meeting the IEC and EN standards, these transformers are UL listed and cUL certified.

Product Class KT designed for convenient modification of enclosed products. Features:



- Modification kits offer 45 VA to 500 VA with many primary and secondary voltage selections.
- Primary and secondary fusing is standard on all kits from 50 VA and higher.
- Wires with fork connectors at one end, along with wire ties and mounting screws, are included in the kit to make for easy wiring.

Transformer accessories



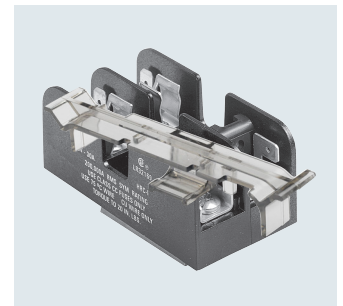
KCCF1G
Single pole fuse block for secondary fuse



KCCFP2RG
Double pole fuse block for 2-pole primary fuses



3NW7013 3NW7023
Touch-safe fuse block for single or double poles



KCCFBCK
Single pole fuse block cover kit (for primary fuse)

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