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.

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

- Terminals, with molded barriers in between to provide isolation with the proper creepage distance, are conveniently located at the top of the transformer.

- 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.

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**: Touch-safe fuse block for single or double poles
- **3NW7023**: Single pole fuse block cover kit (for primary fuse)
- **KCCFBCK**: Single pole fuse block cover kit (for primary fuse)
The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.