7.1 - TRANSFORMERS

Mod.6190
Single Phase Transformer

Primary and secondary windings are divided in several sections to allow many possibilities of connections.

- 230/115V primary/secondary.
- Primary: 2x115V Ac
- Secondary: 2x57,5V Ac
- Power: 3kVA
- Frequency 50/60 Hz

- also available: other power, other primary/secondary ratio

Mod.6195
Three-phase Transformer

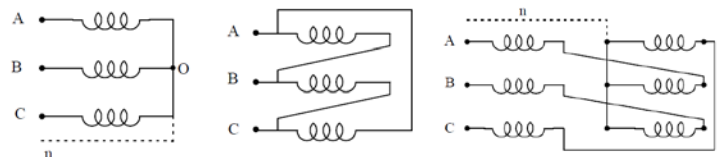
Primary and secondary windings are divided in several sections to allow many possibilities of connection.

- Primary: 3x400 (3 x 2 x 115V)
- Secondary: 3x230 (3 x 2 x 66,5V)
- Power: 3kVA
- Frequency 50/60Hz

- also available: other power, other primary/secondary ratio

Primary / secondary connection

- *STAR - STAR Yy*
- *DELTA –STAR Dy*
- *DELTA – DELTA Dd*
- *STAR - Zig-zag Yz*
- *DELTA - Zig-zag Dz*



STAR (Y) *DELTA (D)* *ZIG-ZAG (Z)*

Training topics covered:

- Complete and simplified equivalent circuits
- Measurement of the individual variables
- Transformation of current and voltage
- Measuring the rush current using an oscilloscope
- Measurement and calculation of the no-load values
- Measurement and calculation of the short-circuit values
- Measurements with a variable load R, L & C
- Determining the efficiency
- Evaluating the measured values
- Phase angle between primary and secondary windings and the effect of asymmetric loading in the circuit groups Yy, Yd, Yz, Dy