

Dynamic Transformercompensation BLR-CXplus-DTC

BELUK



Benefits:

- Controlled compensation instead of a fixed stage, exact control result.
- Easy configuration
- No overcompensation in low load condition
- Monitoring of the stage power by the controller

The reactive power required for transformers changes depending on the transformer utilization. In order to avoid overcompensation in the low load range or under compensation in the full load range, the BLR-CXplus-DTC has dynamic adaptation in addition to the fixed, adjustable offset reactive power.

Only 3 settings are necessary for this:

Rated power transformer [VA] -> setting range 0 - 200MVA

Relative short-circuit voltage transformer [%] -> setting range 0 - 100%

Start from transformer utilization [%] -> setting range 0 - 100%

The determined reactive power is automatically added to the determined reactive power that is necessary to achieve the target cos phi.

