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REDUCTION OF ACTIVE POWER LOSSES IN LOW VOLTAGE NETWORKS WITH THE RECTIFIER LOAD

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Abstract

One of the methods of active power losses reducing in the low voltage network by connecting rectifier load to artificial zero point, which is created using a power zero sequence filters is considered. The special design of filters provides not only a essential reduction in active power losses in the low voltage distribution network, but also a significant improvement of power quality for consumers. References 8, figures 7.

Key words: low voltage network, power losses, filter zero sequence, artificial neutral, power quality.

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