

The invention relates to the power engineering, namely to devices for regulation of input and output voltage phase shift in the three-phase power transfer systems.

The installation for phase shift regulation with two transformers comprises a three-phase regulating transformer (α), including high-voltage exciting coils (1, 4, 7) connected to the three-phase high-voltage line and regulating low-voltage coils (3, 6, 9) with a mechanism for switching under load, and an additional three-phase transformer (β), including high-voltage phase shift regulating coils (10, 12, 14) and low-voltage coils (11, 13, 15), connected to the ramifications of the low-voltage regulating coils (3, 6, 9) of the three-phase regulating transformer (α). The three-phase regulating transformer (α) is additionally provided with high-voltage phase shift regulating coils (2, 5, 8), with a fixed number of turns, connected to the three-phase high-voltage line, the output terminals of which are galvanically connected to the input terminals of the high-voltage coils (10, 12, 14) of the additional three-phase transformer (β). The output terminals of the high-voltage coils (10, 12, 14) of the additional three-phase transformer (β) are connected to the start of the following high-voltage exciting coil (1, 4, 7) of the three-phase regulating transformer (α) in correspondence with the phase alternation of the alternating current system.

Claims: 1

Fig.: 6

