

The proposed device for limiting parameters of electromagnetic processes in a high-voltage electric mains with a power transformer with the primary winding, which is connected according to star connection with a neutral wire, and the secondary winding, which is connected according to open-delta connection, contains a reactor, a switching unit with a control circuit, a resistor, and a voltage transformer. The resistor is connected between the open terminals of the secondary winding of the power transformer. The resistor is connected in parallel to the reactor. The high-voltage winding of the voltage transformer is connected between the neutral wire terminal and the earthing terminal. The control circuit of the switching device is connected across the low-voltage winding of the voltage transformer.