

The proposed relay with filtering designed for monitoring symmetry of phase currents contains three current transducers for measuring currents consumed by a three-phase electric installation, a phase changer, an actuator, and a converter for converting the output voltages of the current transducers into two-phase voltage. Three inputs of the converter are connected to the outputs of the corresponding current transducers, and two outputs are connected to the corresponding inputs of the phase changer. The output of the phase changer is connected to the input of the actuator.