

The proposed starter contains a unit for switching power circuits, a power-supply unit, a control relay, a start button, a stop button, an output thyristor, and a current feedback potentiometer. The power-supply unit contains a step-down voltage transformer, a high-value resistor in the circuit of the ground secondary winding of the transformer, and a capacitor connected in parallel to a resistor. The switching unit contains light-emitting diodes, which are connected in series and inserted in the circuit of the coil of the control relay, and photoelectric symmetrical thyristors, which are used as power switching elements. The normally open contacts of the start button and the normally closed contacts of the stop button are connected in series. The output thyristor is connected in parallel to the normally open contacts of the start button. The potentiometer is connected between the terminal of the power-supply unit and the contact of the start button. The section between the slider of the potentiometer and the point of the connection of the potentiometer to the contact of the start button is connected in parallel to the light-emitting diodes of the switching unit. For the purpose to enhance the safety and reliability of in switching off the starter, one of free normally open contacts of the stop button is connected to the ground terminal.