

Earth-leakage protective circuit arrangementAbstract

The invention relates to an earth-leakage protective circuit arrangement for a power supply having at least one phase conductor (L1, L2, L3) and one neutral conductor (N), having at least one core-balance current transformer whose secondary winding is connected to a release device (16, 18) which releases a latch (13) when a fault current occurs, and having main contact points (12) in the power supply which are opened permanently by the latch (13) when a fault current occurs. The release device has two device elements (16, 18), the first (16) of which detects and evaluates the secondary signal of a first core-balance current transformer (11) as a storage circuit with an energy store selectively and independently of the power supply voltage, and the second (18) of which detects and evaluates the secondary signal of a second premagnetized core-balance current transformer (10) in a manner dependent on the power supply voltage.

Significant figure: Figure 1

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