

ABSTRACT

AN ELECTRONIC TRIP DEVICE COMPRISING A POWER SUPPLY DEVICE

The invention relates to an electronic trip device for a circuit breaker comprising at least one current sensor (T1, T2, T3) supplying a current to a first power supply circuit (7). A distribution line (10) connected to an output of the first power supply circuit distributes an electrical voltage regulated by a first chopping regulator (16) to electronic circuits of the trip device. The trip device comprises a second power supply circuit (9) connected to an external power source (11) and a second chopping regulator (17) connected between the second power supply circuit (9) and the distribution line (10). The second chopping regulator (17) operates in a synchronized manner with the first chopping regulator.

(Figure 2)

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