

Title (en)  
CIRCUIT BREAKER WITH ELECTRONIC TRIP CONTROL

Title (de)  
SCHUTZSCHALTER MIT ELEKTRONISCHER AUSLÖSESTEUERUNG

Title (fr)  
DISJONCTEUR A COMMANDE DE DECLENCHEMENT ELECTRONIQUE

Publication  
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Application  
**EP 21720478 A 20210422**

Priority

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Abstract (en)  
[origin: WO2021214235A1] The present invention relates to a circuit breaker with electronic trip control, the circuit breaker being traversed by at least one current path (L1, L2, L3) and capable of providing protection against at least one short-circuit type fault occurring in an electric circuit connected to the current path (L1, L2, L3) and comprising a power supply (A), a current detector (D) for detecting current in the or at least one of the current paths (L1, L2, L3), an electronic tripper (3, I2, 4, 5) comprising an electronic processing unit (3), an actuator (1) comprising a coil (10), and an opening mechanism capable of being actuated by the actuator (1); it further comprises an inhibiting circuit (2, 2', I1) for inhibiting magnetic influences on the actuator that are able to cause accidental tripping, the inhibiting circuit being capable of short-circuiting the coil, the electronic processing unit being further configured to be able to control the inhibiting circuit and to coordinate the emission of the trip control signal with the control of the inhibiting circuit so as not to short-circuit the coil at the same time as tripping takes place.

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