

Title (en)

ELECTROMAGNETIC RELAY WITH IMPROVED YOKE, IN PARTICULAR A RELAY FOR INTERRUPTION OF ELECTRIC CIRCUIT IN THE CASE OF DIFFERENTIAL CURRENT, AND SWITCH COMPRISING SUCH RELAY

Title (de)

ELEKTROMAGNETISCHES RELAIS MIT VERBESSERTEM BÜGEL, INSBESONDERE EIN RELAIS ZUR UNTERBRECHUNG EINER ELEKTRISCHEN SCHALTUNG BEI DIFFERENTIALSTROM SOWIE SCHALTER MIT EINEM SOLCHEN RELAIS

Title (fr)

RELAIS ÉLECTROMÉCANIQUE À CULASSE AMÉLIORÉE, EN PARTICULIER RELAIS POUR L'INTERRUPTION D'UN CIRCUIT ÉLECTRIQUE DANS LE CAS D'UN COURANT DIFFÉRENTIEL, ET INTERRUPTEUR COMPRENANT UN TEL RELAIS

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Application

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Abstract (en)

[origin: WO2012169975A1] The purpose of the invention is to create a relay (3) with improved yoke (31), in particular a relay (31) of a switch (S) for interruption of an electric circuit in the differential current between a phase conductor (P) and a neutral conductor (N), by which despite to essentially simplified manufacturing of the yoke (31) reliability of the relay (3) and consequently also the switch (S) could be essentially improved. According to the invention, the yoke (31) of the relay (3) is formed of two plate-like parts (31', 31'') consisting of highly permeable ferromagnetic material, which are each per se adapted to cooperate with a permanent magnet (32) and between which a layer (320) is inserted, which consists of composite material having relative permeability within the range $3 \leq \mu \leq 15$, wherein the thickness of said layer (310) amounts 0,1 to 1,0 mm.

IPC 8 full level

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