

Title (en)

Contact arrangement for ground fault circuit interrupter

Title (de)

Kontaktanordnung für Fehlerstromschutzschalter

Title (fr)

Agencement de contact pour disjoncteur à courant de défaut

Publication

EP 0844632 A2 19980527 (DE)

Application

EP 97112772 A 19970724

Priority

DE 29620519 U 19961125

Abstract (en)

The arrangement of contacts operated by relay from a single-phase summing current transformer incorporates a pivotable lever (20) bringing the moving contact (21) up against the fixed contact (22) on one limb (23) of a U-shaped conductor enclosing a permanent magnet (26). Normal current flows through the contacts from a terminal (14) and a hook (16) engaged with the lever. Excessive current causes the lever to be pivoted about its point of engagement (19). The lines of force of the magnet are directed at right angles to the arc, reinforcing the field produced by the arc so that its root is displaced rapidly from the contacts.

Abstract (de)

Eine Kontaktanordnung für Fehlerstromschutzschalter mit einem beweglichen Kontakt und einem Festkontakt weisen jeweils einen Kontaktberührungsabschnitt auf. Mindestens einer der Kontakte weist einen Magneten auf, dessen Polarisierungsrichtung im wesentlichen parallel zu der Berührungsfläche der beiden Kontaktberührungsabschnitte liegt. <IMAGE>

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IPC 8 full level

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