

Title (en)

Earth fault circuit breaker with a checking device including a checking button.

Title (de)

Fehlerstromschutzschalter mit eine Prüftaste enthaltenden Prüfeinrichtung.

Title (fr)

Disjoncteur de protection pour courant de défaut avec un dispositif de contrôle contenant un bouton de contrôle.

Publication

**EP 0017818 A1 19801029 (DE)**

Application

**EP 80101611 A 19800326**

Priority

DE 2915091 A 19790412

Abstract (en)

1. A fault current circuit breaker having a testing device which contains a test key (14) ; a switching mechanism which, in the event of a current imbalance of the phase conductors and the neutral conductor which are led through a totalising current transformer (2), can be unlatched by means of a magnetic tripping device (3), and which switching mechanism interrupts the tested conductors by means of a contact system (7) on a drum switch (4) ; and a carrier to which the switching mechanism, the magnetic tripping device and the drum switch of the contact system are commonly secured so as to be insertable into the housing, characterised in that the test key (14) is raised into the normal (rest) position by a V-shaped spring (15), in the resilient region of which, there is arranged a bared winding (16) of the neutral conductor of the primary winding, which is located on the summation current transformer (2), and that the V-shaped spring (15) is electrically connected to one phase.

Abstract (de)

Die Erfindung betrifft einen Fehlerstromschutzschalter, der bei einem Stromungleichgewicht des durch einen Summenstromwandler geführten Phasenleiters und Nulleiters mittels eines Magnetauslösers ein Schaltschloss entklinkt, das mit einem Kontaktsystem an einer Schaltwalze die überprüften Leiter unterbricht. Nach der Erfindung ist vorgesehen, dass das Schaltschloss (6), der Magnetauslöser (3) und das Kontaktsystem (7) an einem Träger (5) zusammen in das Gehäuse (1) einsetzbar befestigt sind.

IPC 1-7

**H01H 83/04**

IPC 8 full level

**H01H 83/02** (2006.01); **H01H 83/04** (2006.01)

CPC (source: EP)

**H01H 83/04** (2013.01); **H01H 2083/045** (2013.01)

Citation (search report)

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- EP 0001058 A1 19790321 - SIEMENS AG [DE]
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