

Title (en)

Automatic cutout

Title (de)

Leitungsschutzschalter

Title (fr)

Disjoncteur de protection de ligne

Publication

EP 0616350 B1 19970730 (DE)

Application

EP 94103312 A 19940304

Priority

CH 84893 A 19930319

Abstract (en)

[origin: EP0616350A1] The line protection circuit breaker contains a magnetic short-circuit current release and a thermal overcurrent release having a bimetallic strip (10). In the case of this line protection circuit breaker, the line current is carried in a current path which, in addition to two contacts (44, 48) (which can move relative to one another) and a section of the bimetallic strip (10), also has an electromagnetic coil (22) and a section of a yoke (which contains a ferromagnetic material) of the short-circuit current release. The magnetic field which is produced by the coil (22) in the event of a short-circuit current is used to attract the armature (24) of the short-circuit current release and for magnetic blowing of a switching arc which is formed while the contacts (44, 48) are opening. The live yoke section (18) is formed from a non-ferromagnetic metallic material whose mechanical strength is comparable to the ferromagnetic material of the yoke but has a much higher electrical conductivity than this material. The line protection circuit breaker is distinguished by a very high rated current capacity with a compact construction. <IMAGE>

IPC 1-7

H01H 71/40; H01H 71/24

IPC 8 full level

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CPC (source: EP)

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