

Title (en)
LOW-TENSION POWER CIRCUIT BREAKER WITH ELECTROMAGNETIC RELEASE

Publication
EP 0003973 B1 19810610 (DE)

Application
EP 79100414 A 19790212

Priority
DE 2810987 A 19780310

Abstract (en)
[origin: US4260969A] A low voltage circuit breaker has an insulating housing which is split along a parting line into an upper part and a lower part. Disposed in the housing is an electromagnetic tripping device which comprises a fixed magnet yoke and a movably disposed armature. By means of trunnion (pivot) pins of rectangular cross-section the armature is mounted in bearing openings designed in the form of pocket-like cutouts in the wall surfaces of the lower part which limit the pole channels of the circuit breaker. The bearing surface of the bearing openings associated with a narrow surface of each trunnion pin may be composed of two subsurfaces disposed at an angle to each other so that an edge-like bearing results. For the attachment of the magnet yoke there is provided on the lower part of the housing an island-like projection which is spaced from the wall surfaces and against which the central part of the magnet yoke is caused to rest by a spring element. In addition, a protrusion of a conductor serves to secure the magnet yoke in its position.

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IPC 8 full level
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