Title (en)

PUSH BUTTON OPERATED EXCESS CURRENT PROTECTIVE CIRCUIT BREAKER

Publication

EP 0209832 B1 19930331 (DE)

Application

EP 86109678 A 19860715

Priority

DE 3526785 A 19850726

Abstract (en)

[origin: US4667175A] A preferably push button-actuated overload protective circuit breaker with bimetal cut-out is devised for being plugged into a flat female plug socket. The circuit breaker comprises a bimetal contact element and a fixed contact element besides each other and consisting each of an elongated punched-out part of substantially flat right parallelepiped shape. They have outer ends protruding out of a circuit breaker housing and lying with their flat longitudinal sections in the same plane, while their inner free ends inside the housing have their flat longitudinal sections lying in two different planes which are parallel with, but spaced from each other. A bimetal snap element is fastened at one end thereof, on the inner free end of the bimetal contact element and overlaps with its opposite slewable end, which bears a bimetal contact post, the inner free end of the fixed contact element and a fixed contact post thereon. In their middle regions, the bimetal and fixed contact elements are embedded positively in a form-stable base member made of injectable or castable synthetic electrically insulating material, which base member forms a part of the walls of the housing. At the region where the bimetal contact element protrudes from the base element to extend into the interior of the housing, it bears a weakened zone, e.g. a puched-out hole, as a bending zone being adjustable to a desired bend.

IPC 1-7

H01H 71/74; H01H 73/30

IPC 8 full level

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