

Title (en)

DEVICE FOR SWITCHING AN ELECTRICAL CONNECTION IN ACCORDANCE WITH CURRENT AND/OR TEMPERATURE

Publication

EP 0103792 B1 19880427 (DE)

Application

EP 83108625 A 19830901

Priority

DE 3234373 A 19820916

Abstract (en)

[origin: US4563667A] For stopping drift or other undesired changes in the response temperatures of a thermal switch using a bimetallic element for driving a moving contact, the design is such that the moving contact and a counter-contact are supported on a common insulating supporting part and the counter-contact is elastically and yieldingly fixed on the supporting part. The lengths of the bimetallic element and of the a strip supporting the counter-contact that may be moved are different to each other so that the two contacts will make contact at different points thereon and with a rubbing effect for clearing oxide and other undesired coatings forming on the said contacts. For producing such a thermal switch with multiple functions, for example the functions of a temperature automatic controller and a thermal protective device, the counter-contact, that is placed so that it may give way elastically, is acted upon by a further bimetallic element.

IPC 1-7

H01H 37/52; **H01H 81/02**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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