

Title (en)
Switch with a switching mechanism actuated at an excessive temperature

Title (de)
Schalter mit einem bei Übertemperatur schaltenden Schaltwerk

Title (fr)
Interrupteur avec un mécanisme de commutation actionné une température excessive

Publication
EP 0778597 A2 19970611 (DE)

Application
EP 96115007 A 19960919

Priority
DE 19545998 A 19951209

Abstract (en)
The switch has a movable contact part (18). This cooperates at least with a first counter contact (19) forming, with this, a first switch contact (20). This contact is opened or closed in dependence in the temperature of the switch mechanism (16). The switch has at least a first heat resistor (35). This resistor is provided on the movable contact part (18). The switch may also have a second heat resistor which may also be formed on the movable contact part (18). This cooperates with a second counter contact forming a second switch contact. The second switch contact has a switch state opposite that of the first contact. The switch mechanism may be formed as an alternating switch. In a first switch state, in which the first switch contact is closed, the first heat resistor is connected in series between switch terminals. In a second switch state, in which the second switch contact is closed, the second resistor is connected in series between a different pair of terminals.

Abstract (de)
Ein Schalter (10) weist ein bei Übertemperatur schaltendes Schaltwerk (16) auf, an dem ein bewegliches Kontaktteil (18) angeordnet ist, das mit einem ersten Gegenkontakt (19) zusammenwirkt und mit diesem einen ersten Schaltkontakt (20) bildet. Der erste Schaltkontakt wird in Abhängigkeit von der Temperatur des Schaltwerkes (16) geöffnet oder geschlossen. Ferner ist an dem beweglichen Kontaktteil (18) ein erster Heizwiderstand (35) vorgesehen. <IMAGE>

IPC 1-7
H01H 37/54; **H01H 71/16**

IPC 8 full level
H01H 1/50 (2006.01); **H01H 37/54** (2006.01); **H01H 71/16** (2006.01)

CPC (source: EP US)
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