

Title (en)

Push button operated circuit breaker.

Title (de)

Druckknopfbetätigter Schutzschalter.

Title (fr)

Disjoncteur commandé par bouton-poussoir.

Publication

EP 0450366 B1 19950517 (DE)

Application

EP 91104014 A 19910315

Priority

- DE 9004031 U 19900406
- DE 9017292 U 19901221

Abstract (en)

[origin: EP0450366A1] A push-button operated circuit breaker (10) having a thermal release by means of a bimetallic strip (330, 330') and having an angled contact bridge (280), which is supported such that it can pivot freely within a switch housing (40) and is pressed by a release spring (480) in the release direction (90) against a contact tab (320) of the bimetallic strip (330, 330'), which tab (320) projects laterally in the direction of the release spring (480), and having a connecting arm (370), which is coupled to the bimetallic strip (330, 330') in terms of movement. A drum-shaped rotating body (390) rests with its cylindrical outline surface on the connecting arm (370) and thus creates a kinematic connection between the rotating body (390) and the connecting arm (370). When the switch housing (40) is assembled, the drum-shaped rotating body (390) is [lacuna] as an adjusting eccentric (450), which can be manipulated from the exterior via a hexagonal indentation (440) in order to adjust the release characteristic of the circuit breaker (10).

IPC 1-7

H01H 71/74; **H01H 73/30**

IPC 8 full level

B60R 16/02 (2006.01); **H01H 37/52** (2006.01); **H01H 61/01** (2006.01); **H01H 71/74** (2006.01); **H01H 73/30** (2006.01); **H01H 71/12** (2006.01)

CPC (source: EP KR US)

H01H 9/22 (2013.01 - KR); **H01H 71/7436** (2013.01 - EP US); **H01H 73/306** (2013.01 - EP US); **H01H 71/128** (2013.01 - EP US); **H01H 2071/7481** (2013.01 - EP US)

Cited by

EP1202317A1; EP1077461A3; DE10103788A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0450366 A1 19911009; **EP 0450366 B1 19950517**; AT E122818 T1 19950615; DE 59105486 D1 19950622; JP H04230925 A 19920819; JP H0675365 B2 19940921; KR 0143979 B1 19980817; KR 910019079 A 19911130; US 5153552 A 19921006

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EP 91104014 A 19910315; AT 91104014 T 19910315; DE 59105486 T 19910315; JP 7275791 A 19910405; KR 910005409 A 19910404; US 68066591 A 19910405